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MEASUREMENT OF NOISE EXPOSURE INDEX OF UNDERGROUND SERVICE WORKERS AT DENISON MINES LTD. IN ELLIOT LAKE

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DECEMBER 1982

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DIVISION REPORT MRP/MRL 82-142(TR)

MEASUREMENT OF NOISE EXPOSURE INDEX OF UNDERGROUND SERVICE WORKERS AT DENISON MINES LTD. IN ELLIOT LAKE

by

M.U. Savich*

ABSTRACT

Sixty-eight measurements of noise exposure index were taken of the service workers. Four measurements were rejected. Results show that only 6.25% are exposed to noise levels in excess of the L_{OSHA} base line of 90 dBA.

It may be discussed with regard to the implementation of new regulations of the level of required protection.

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INTRODUCTION

Sixty-eight measurements of noise exposure index (NEI) were performed of which four were rejected, three because of high readings caused by high humidity and one reading which was discontinued after 6.5 hours because of a damaged microphone (Appendices 1 to 68). 93.75% L_{OSHA} were less than 90 dBA.

ANALYSIS OF MEASUREMENTS

This is a good example of where a man, the surveyor, has been replaced by a computer. The results show that only 6.25% exceed permissable noise levels (see Table 1). In short the situation is:

Participation L_{OSHA} in Percent

80-84 dBA	85-89 dBA	>90 dBA
35.94	57.81	6.25

Should the base line be changed to 85 dBA with a 5 dBA step, then 64% of the workers would be exposed to excessive noise levels. If the change of base line is accepted the work force exposed to the 85-90 dBA range would be transferred to the over-exposed category. This is an example of how a may assist in the discussion of the implementation of new regulations.

CONCLUSION

Only 6.25% of the work force, ventilation maintenance and pipe fitters must wear hearing protectors for an entire shift, others with exposures in the range of 85 to 89 dBA require periodic hearing protection. Others exposed to levels below 85 dBA (35.94%) do not require hearing protection. Ear plugs are sufficient protection for workers exposed to noise from machinery.

Table 1 - Results of L_{OSHA} and time during work day

No.	User Code	Job Code	Operation	Time (min)	L_{OSHA} (dBA)	Frequency Distribution (min/dBA)												Σ Time (min)	Note
						60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119		
1	4516	241	Gen. Serviceman	480	83.2	106	48	76	89	89	33	18	10	11	0	0	0	480	SHAFI
2	4416	241	Gen. Serviceman	480	85.7	234	72	39	33	28	20	7	7	7	8	5	0	480	SHAFI
3	4133	SMA	Gen. Serviceman	480	65.8	354	68	33	16	9	0	0	0	0	0	0	0	480	GENSE
4	4180	241	Gen. Serviceman	480	78	217	67	49	44	56	24	14	9	0	0	0	0	480	79
			Mean	480	82.09	232.75	63.75	49.25	45.5	45.50	19.25	9.75	6.5	4.5	2	1.25	-	480	
			Std. Dev.	-	Log aver	102.42	10.72	19.02	31.2	34.84	13.94	7.93	4.51	5.45	4	2.5	-	480	
5	7012	211	Service Labourer	480	93	145	34	41	26	17	40	50	72	36	14	5	0	480	CC203
6[A]	4596	271	Service Labourer	480	111.1	10	13	18	23	5	17	16	143	39	21	22	153	480	CC203
7	4721	274	Service Labourer	480	88.2	62	23	10	11	44	243	36	47	4	0	0	0	480	CC203
8	4710	GSL	Gen. Lab. Serv.	480	85.2	251	16	13	16	19	50	80	34	1	0	0	0	480	2SSYA
9	4805	296	Labourer	480	85	197	32	37	23	79	50	16	36	10	0	0	0	480	SHAFI
10	4807	296	Labourer	480	80.8	177	58	54	54	63	27	36	7	4	0	0	0	480	SHAFI
11	4663	296	Labourer	480	81.6	58	58	49	50	184	62	15	3	1	0	0	0	480	SHAFI
12	4806	296	Labourer	480	80.1	251	55	44	33	24	27	36	7	3	0	0	0	480	SHAFI
13	4805	296	Mine Labourer	480	85.8	206	21	12	9	80	24	76	51	1	0	0	0	480	ISHAF
14	4800	MLA	Mine Labourer	480	84.2	140	16	11	13	65	192	37	6	0	0	0	0	480	2SSYA
15	4813	MLA	Mine Labourer	480	85	94	10	6	11	93	226	33	7	0	0	0	0	480	2SSYA
16	4682	242	Labourer	480	93.1	97	31	17	15	71	82	27	53	83	3	0	1	480	2SHAF
17	4803	296	Mine Labourer	480	89.8	110	17	30	25	36	92	83	68	19	0	0	0	480	CC210
18	4722	242	Labourer	480	87.5	274	26	18	10	45	49	17	8	22	10	1	0	480	28104
19[A]	4801	MLA	Labourer	480	96.3	156	70	56	35	23	15	23	29	21	21	29	2	480	32950
20	4808	296	Mine Labourer	480	77.1	297	61	40	25	21	19	5	8	4	0	0	0	480	00000
21	4800	296	Haulage	480	79.1	367	42	23	6	6	2	14	14	6	0	0	0	480	CC247
22[A]	4822	176	Scrapyard Lab.	480	98.7	82	30	21	18	14	9	54	64	122	65	1	0	480	00326
23	4748	176	Scrapyard Lab.	480	85.9	215	28	14	11	16	89	71	29	6	1	0	0	480	00326
24	4816	000	Labourer	480	79.3	144	70	117	62	31	21	24	11	0	0	0	0	480	SHAFI
25	4759	000	Labourer	480	81.6	99	69	92	100	70	14	14	18	4	0	0	0	480	SHAFI
			Mean	480	86.96	176.89	37.06	34.89	27.78	53.56	72.72	37.22	26.61	11.33	1.56	0.33	0.06	480	
			Std. Dev.	-	Log aver	86.87	19.79	29.66	24.43	41.89	73.08	24.86	22.92	20.24	3.93	1.19	0.24	480.0	

[A] Not estimated

Cont. overleaf

Table 1 - continued

No.	User Code	Job Code	Operation	Time (min)	L_{OSHA} (dBA)	Frequency Distribution (min/dBA)												Σ Time (min)	Note
						60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119		
26	4692	240	Construction Crew	480	80.3	181	53	65	61	62	30	17	6	5	0	0	0	480	ISHAF
27	4727	240	Construction Crew	480	82.4	251	36	20	21	41	53	37	20	1	0	0	0	480	ISHAF
28*	4135	240	Construction	380	80.6	341	31	25	11	14	19	22	17	0	0	0	0	480	36950
29	4213	240	Gen. Construction	480	85.3	138	55	35	50	59	59	44	31	9	0	0	0	480	31950
30	4281	240	Gen. Construction	480	79.1	327	26	21	23	18	19	37	8	1	0	0	0	480	36950
31	4123	GCS	Gen. Construction	480	93.9	95	59	76	64	72	58	13	7	8	7	14	7	480	95400
32	7474	GCS	Gen. Construction	480	91	150	36	25	28	55	77	40	30	19	16	4	0	480	00000
33	4166	240	Construction Serv	480	79.3	242	40	37	28	47	53	29	4	0	0	0	0	480	40954
34	7327	240	Construction Serv	480	82.0	184	42	40	25	58	81	42	8	0	0	0	0	480	40954
			Mean	480	87.65	196	43.38	39.88	37.5	51.5	53.75	32.38	14.25	5.38	2.88	2.25	0.88	480	
			Std. Dev.	-	Log aver	74.02	11.31	20.5	17.85	16.45	21.05	11.66	11.12	6.57	5.84	4.95	2.47	480.03	
35	4820	240	U/G Construction	480	82.1	151	68	78	51	38	36	37	20	1	0	0	0	480	20951
36	4133	240	U/G Construction	480	81.5	192	73	73	44	10	34	30	22	2	0	0	0	480	24950
37	4241	240	U/G Construction	480	81.3	248	47	45	30	24	41	24	16	5	0	0	0	480	24950
38	2748	240	U/G Construction	480	91.3	119	21	19	43	92	43	29	64	41	9	0	0	480	26965
39	7774	240	U/G Construction	480	78.9	256	57	47	34	14	35	26	11	0	0	0	0	480	26965
40	2277	240	U/G Construction	480	84.7	124	21	26	35	150	57	32	34	1	0	0	0	480	32990
			Mean	480	85.56	181.67	47.83	48	39.50	54.67	41	29.67	27.83	8.33	1.5	-	-	480	
			Std. Dev.	-	Log aver	60.37	22.65	23.92	7.82	55.41	8.6	4.59	19.31	16.1	3.67	-	-	480	
41	4820	240	Timberman	480	83.6	155	77	66	58	37	36	12	28	11	0	0	0	480	20951
42	4722	240	Timberman	480	86.2	109	23	26	45	84	81	72	39	1	0	0	0	480	39990
43	2277	240	Timberman	480	89.8	56	37	46	45	48	81	83	64	20	0	0	0	480	39990
44	4873	240	Timberman	480	80.7	235	51	40	39	36	27	35	17	0	0	0	0	480	26969
			Mean	480	86.33	138.75	47	44.5	46.75	51.25	56.25	50.5	37	8	-	-	-	480	
			Std. Dev.	-	Log aver	75.85	23.04	16.6	8.02	22.5	28.81	32.87	20.12	9.42	-	-	-	480	
45	4659	TCA	Tool Crib Attd	480	86.3	90	54	51	76	81	62	27	20	16	3	0	0	480	00312
46	4547	296	Tool Crib Attd	480	72.4	275	67	51	39	36	9	2	1	0	0	0	0	480	00312
47	4524	140	#2 Tool Crib	480	76.8	120	68	98	88	71	29	5	1	0	0	0	0	480	00323
48	7006	291	Tool Crib Attd	480	71.3	318	55	26	40	23	17	1	0	0	0	0	0	480	2SHAF
			Mean	480	81.01	200.75	61	56.5	60.75	52.75	29.25	8.75	5.5	4.00	0.75	-	-	480	
			Std. Dev.	-	Log aver	112.62	7.53	30.07	25.02	27.67	23.33	12.28	9.68	8.00	1.5	-	-	480	

* Not estimated

Cont. overleaf

Table 1 - continued

No.	User Code	Job Code	Operation	Time (min)	LOSHA (dBA)	Frequency Distribution (min/dBA)												Σ Time (min)	Note
						60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119		
49	0474	018	Mechanic	480	84.6	135	34	39	64	60	68	57	20	3	0	0	0	480	1SHOS
50	4239	018	Mechanic	480	83.2	190	43	36	30	36	96	23	26	0	0	0	0	480	1SHAO
			Mean	480	83.96	162.5	38.5	37.5	47	48	82	40	23	1.5	-	-	-	480	
			Std. Dev.	-	Log aver.	38.89	6.36	2.12	24.04	16.97	19.8	24.04	4.24	2.12	-	-	-	480	
51	2839	000	Vent. Mtce.	480	93.8	71	16	12	18	9	58	162	81	43	9	1	0	480	CC203
52	4703	272	Vent. Mtce.	480	91.1	94	7	7	6	26	157	85	70	28	0	0	0	480	CC203
			Mean	480	92.66	82.5	11.5	9.5	12	17.5	107.50	123.5	75.5	35.5	4.5	0.5	-	480	
			Std. Dev.	-	Log aver.	16.26	6.36	3.54	8.49	12.02	70	54.45	7.78	10.61	6.36	0.71	-	480	
53	2979	220	Pipe Fitter	480	92.4	149	34	19	22	35	40	75	70	18	14	4	0	480	CC202
54	2506	220	Pipe Fitter	480	98.5	64	28	24	14	26	35	91	62	74	41	19	2	480	2SHAF
			Mean	480	96.44	106.5	31	21.50	18	30.5	37.5	83	66	46	27.5	11.5	1	480	
			Std. Dev.	480	Log aver.	60.1	4.24	3.54	5.66	6.36	3.54	11.31	5.66	39.6	19.09	10.61	1.41	480	
55	4140	141	Light Duty	480	86.8	134	34	36	30	27	96	92	21	10	0	0	0	480	2SHAF
56	7450	294	Respirator Attd.	480	66.3	377	38	33	23	5	4	0	0	0	0	0	0	480	1SHAF
57	7824	295	Sanitation	480	84.6	217	43	36	27	44	41	25	34	13	0	0	0	480	MINEO
			Mean	480	84.10	242.67	38.33	35	26.67	25.33	47	39	18.33	7.67	-	-	-	480	
			Std. Dev.	-	Log aver.	123.52	4.51	1.73	3.51	19.55	46.29	47.57	17.16	6.81	-	-	-	480	
58	0848	174	Fork Lift Op.	480	86.3	170	12	21	27	16	105	106	21	2	0	0	0	480	00322
59	4136	FRO	Fork Lift Op.	480	90.6	40	21	38	39	74	56	128	54	30	0	0	0	480	2SHAF
			Mean	480	88.96	105	16.5	29.5	33	45	80.5	117	37.5	16	-	-	-	480	
			Std. Dev.	-	Log aver.	91.92	6.36	12.02	8.49	41.01	34.65	15.56	23.33	19.8	-	-	-	480	
60	7689	253	Cage Tender	480	80.5	166	43	50	61	60	71	25	1	3	0	0	0	480	00302
61	0790	CTE	Cage Tender	480	84.7	85	30	48	64	106	87	39	15	5	1	0	0	480	00000
62	4412	253	Cage Tender	480	79.9	196	50	53	54	41	53	27	5	1	0	0	0	480	1SHAF
63	2829	CTE	Cage Tender	480	78.5	220	33	38	49	64	59	15	2	0	0	0	0	480	2SHAF
64	4709	253	Deckman	480	85.6	118	41	44	58	48	59	84	27	1	0	0	0	480	00303
65	7537	252	Loading Pocket	480	85	239	51	46	30	23	26	16	29	20	0	0	0	480	1SHAF
			Mean	480	83.21	170.67	41.33	46.5	52.67	57	59.17	34.33	13.17	5	0.17	-	-	480	
			Std. Dev.	-	Log aver.	59.8	8.59	5.21	12.29	28.11	20.26	25.84	12.53	7.56	0.41	-	-	480.01	
66	2505	101	Hoistman	457	80.1	132	54	56	26	140	62	9	1	0	0	0	0	480	SKIP2
67	0536	100	Hoistman	470	82.5	73	28	52	31	201	62	30	3	0	0	0	0	480	SH20T
68	4304	100	Hoistman	480	78	189	64	49	36	95	25	22	0	0	0	0	0	480	1SHAO
			Mean	469	80.58	131.33	48.67	52.33	31	145.33	49.67	20.33	1.33	-	-	-	-	480	
			Std. Dev.	11.53	Log aver.	58	18.58	3.51	5	53.2	21.36	10.6	1.53	-	-	-	-	479.99	

APPENDIX A

MEASUREMENT OF NOISE EXPOSURE INDEX OF UNDERGROUND SERVICE MINE WORKERS WITH FULL INFORMATION: PERCENT DOSE (CURRENT AND CUMULATIVE): ARITHMETIC MEAN: STANDARD DEVIATION: VARIANCE: AMPLITUDE DISTRIBUTION (GRAPHICAL AND NUMERICAL): AND TIME HISTORY (GRAPHICAL).

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1221    60    64     4     1
     65      115200   480
  60  60  60  64  60  68  60  69  65  64  63  60  60  62  64  64
  60  60  61  69  69  69  61  69  85  90  77  66  80  74  72  68
  62  64  79  65  69  87  73  65  69  66  83  73  68  71  74  77
  84  86  89  97  95  92  90  89  88  75  64  65  64  61  61  60
  60  60  60  64  61  60  60  60  66  60  60  60  64  63  60  68
  60  63  72  77  76  84  75  82  80  74  78  76  73  73  79  86
  73  78  78  71  73  76  73  82  81  78  78  75  79  77  78  78
  74  74  77  70  75  74  75  74  70  74  72  73  73  74  81  74
  69  71  60  60  73  66  75  67  65  60  71  65  71  74  69  72
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  79  73  68  62  61  64  61  66  66  65  60  62  68  71  70  68
  77  77  75  73  79  77  81  73  77  72  79  71  79  66  74  83
  72  79  77  84  75  82  81  80  82  81  79  76  75  86  73  77
  78  77  81  79  75  79  73  74  68  83  84  84  79  80  81  85
  83  87  79  62  65  60  63  61  60  76  77 100  85  77  79  75
  77  77  75  73  69  60  73  76  89  85  81  81  78  82  79  78
  81  75  76  74  74  80  72  72  62  60  82  60  60  60  60  60
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  60  65  62  60  67  78  76  72  73  72  81  73  76  74  68  73
  79  84  80  68  79  80  79  77  82  60  61  66  72  60  60  61
  68  62  76  71  69  65  69  72  60  61  60  70  68  62  60  60
  61  60  64  61  62  60  73  60  79  80  80  79  80  79  80  80
  83  82  82  81  82  93  87  85  83 102  85  81  82  78  79  75
  71  80  75  84  86  80  76  82  83  82  85  92  87  84  95  83
  94  83  86  84  85  84  86  86  85  83  85  83  84  84  84  83
  83  83  83  83  88  82  83  82  82  85  83  84  84  83  81  82
  86  79  86  90  88  90  94  94 101  94  93  90  90  79  72  90
  92  97  96  92  93  84  82  81  66  74  62  73  66  79  61  79
  72  80  83  77  73  65  63  90  88  90 101  99  98  70  60  89
 101 104 104 104  97  77  95 102  81  60  60  60  72  99 102 103
<EOR>


ENTER LOG DATE (DD/MM/YR) = 31/07/79
ENTER SITE CODE (5 CHARS) : SHAFT
ENTER USER CODE (4 CHARS) : 4516
 ENTER JOB CODE (3 CHARS) : 241


   DATA LOGGED :31 JULY 1979          DATA ANALYZED : 20 SEPT 1979
       LOGGER : DB-301/26                 SITE CODE : SHAFT
SERIAL NUMBER : 1221                       JOB CODE : 241
     BASELINE : 60 DB                     USER CODE : 4516
DYNAMIC RANGE : 64 DB                     THRESHOLD :  80 DB
SAMPLING RATE :  4/SEC               TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0             STANDBY TIME =   0: 0:16

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                    %DOSE
HOUR     CURRENT   CUMULATIVE     CURRENT   CUMULATIVE
   1        80.3         80.3       3.253         3.25
   2        74.6         78.0       1.475         4.73
   3        73.1         76.7       1.199         5.93
   4        80.7         77.9       3.443         9.37
   5        74.2         77.3       1.402        10.77
   6        76.1         77.1       1.826        12.60
   7        85.7         79.2       6.854        19.45
   8        93.2         83.2      19.570        39.02
MIN. COMP. =  60 DB              MAX. COMP. = 104 DB
ARITHMETIC MEAN =  74 DB
STD. DEVIATION =  10 DB
VARIANCE = 100 DB
```
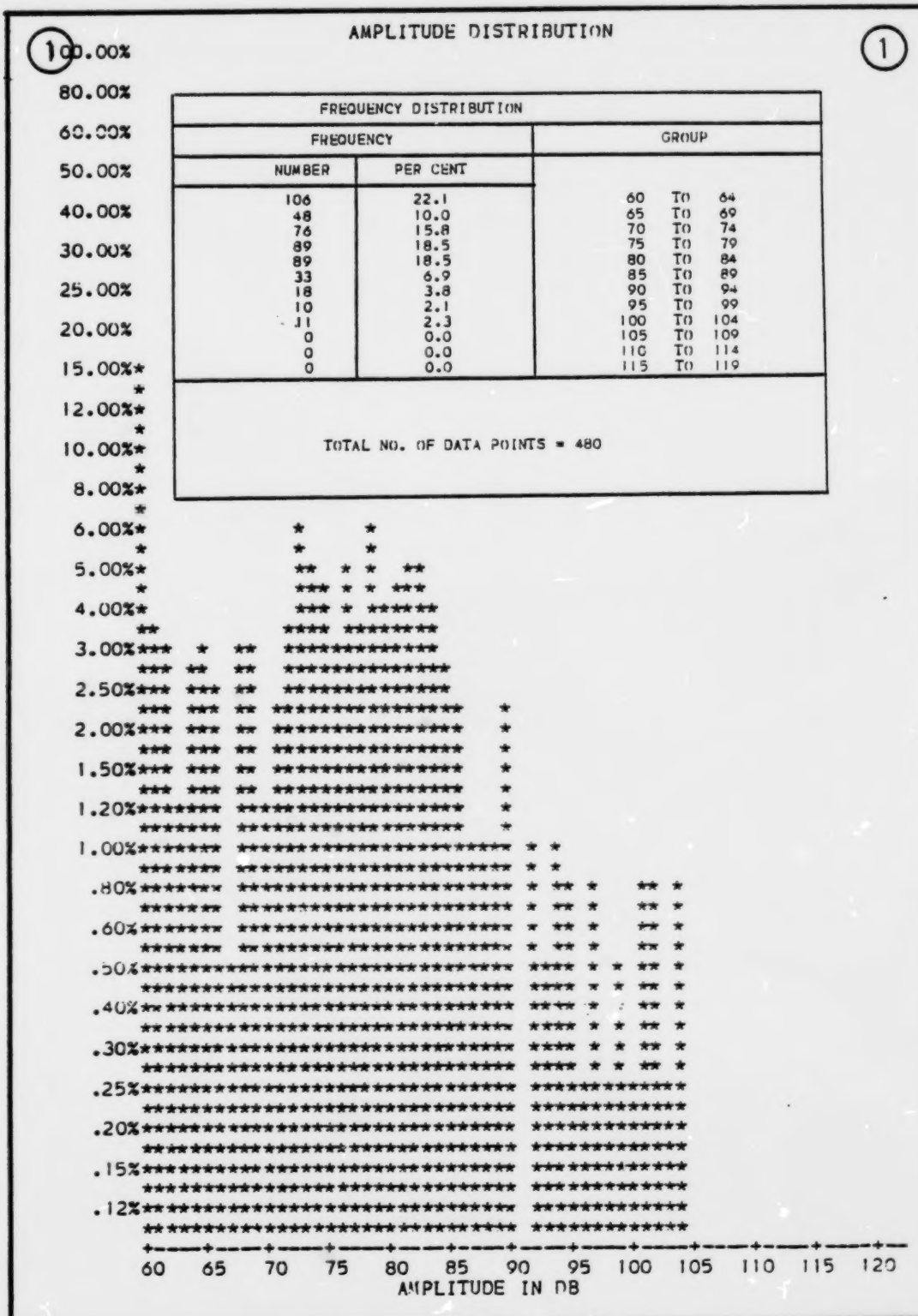
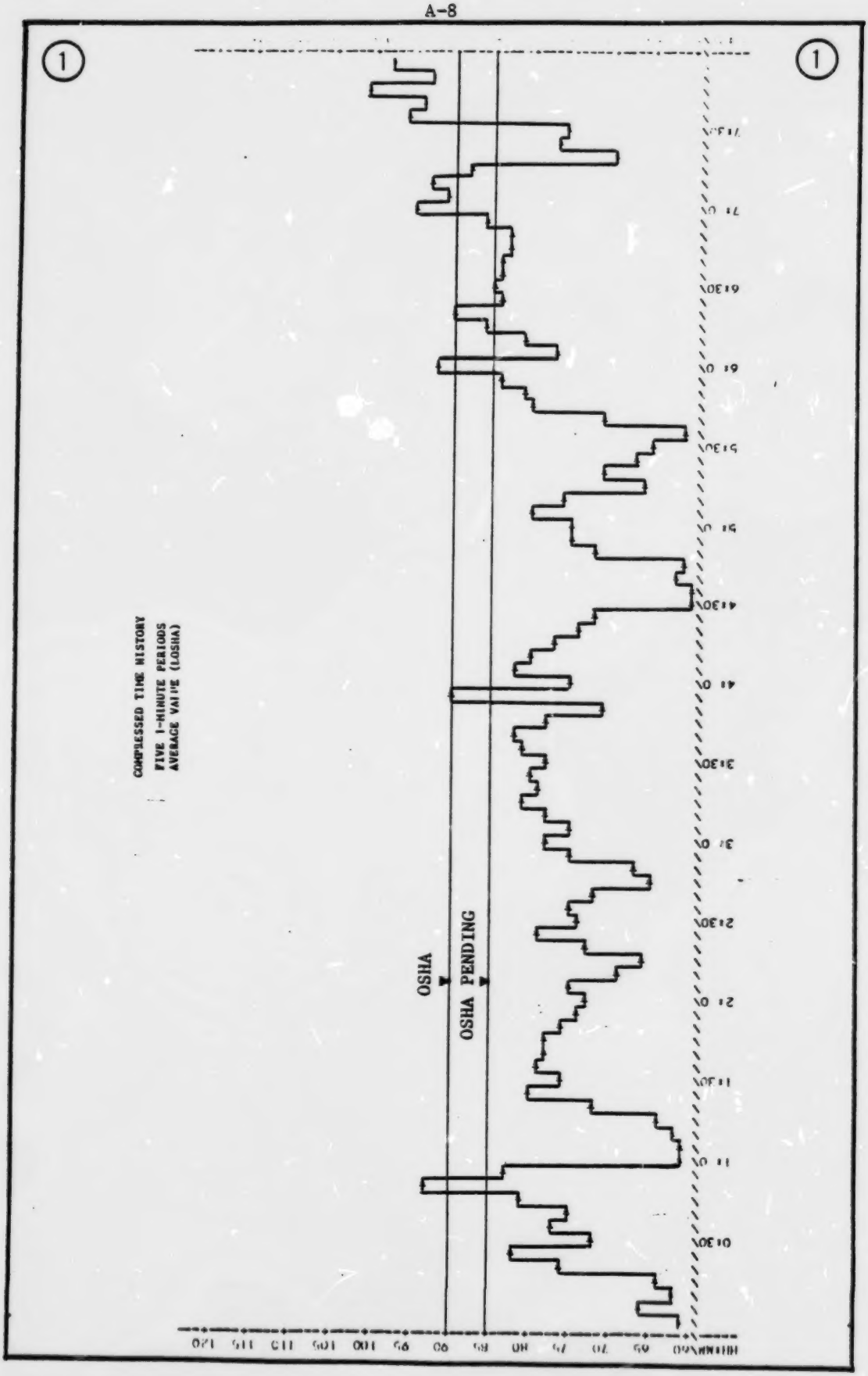

AMPLITUDE DISTRIBUTION

(1) (1)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
106	22.1	60 TO 64
48	10.0	65 TO 69
76	15.8	70 TO 74
89	18.5	75 TO 79
89	18.5	80 TO 84
33	6.9	85 TO 89
18	3.8	90 TO 94
10	2.1	95 TO 99
11	2.3	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




1
1
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0:30
1:0
1:30
2:0
2:30
3:0
3:30
4:0
4:30
5:0
5:30
6:0
6:30
7:0
7:30
HH:MM
60
65
70
75
80
85
90
95
100
105
110
115
120

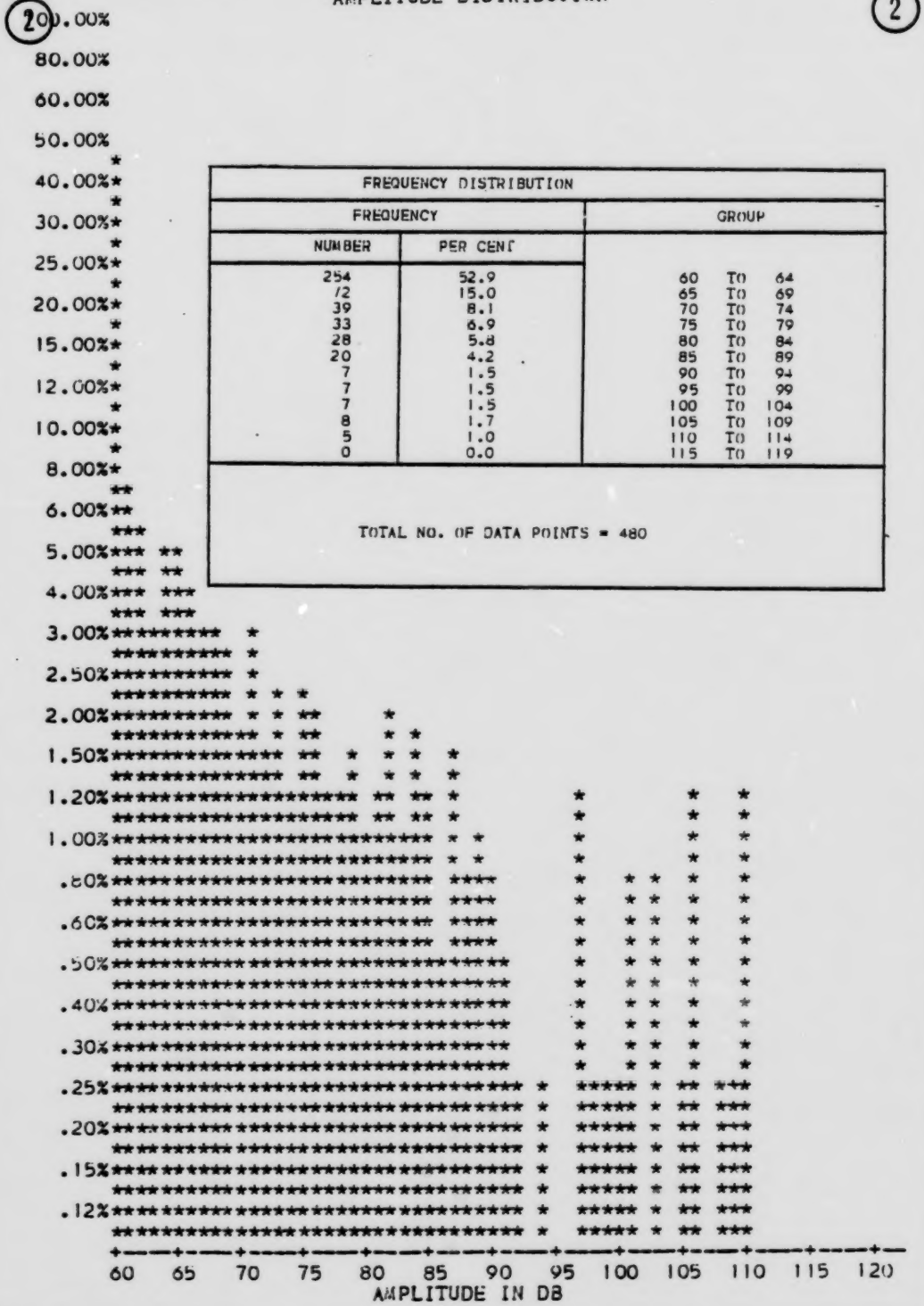
(2)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1220    60    64     4     1
     126     115200   480
  60  60  60  60  62  68  68  64  65  60  60  60  66  65  62  66
  61  71  61  64  75  68  72  71  91  90  82  79  76  66  64  60
  69  77  61  76  88  67  63  70  66  82  71  67  77  71  78  81
  78  62  75  85  73  66  71  60  60  63  64  61  60  61  61  60
  63  87  61  71  69  72  72  73  65  70  71  70  66  82  90  89
  87  61  67  77  81  77  71  75  79  70  73  83  62  76  69  98
  67  76  65  67  74  69  68  62  65  86  80  61  62  60  60  60
  64  61  60  66  66  66  60  73  62  64  68  63  65  60  67  61
  69  65  84  66  83  92  61  60  60  63  60  60  62  64  68  60
  62  60  64  68  64  60  63  60  60  62  67  60  60  60  66  81
  84  68  68  62  75  75  67  66  65  60  82  78  63  65  67  72
  69  64  70  65  62  63  61  61  63  64  66  62  68  64  65  65
  60  60  67  65  76  65  69  80  71  68  70  82  60  60  60  60
  73  60  60  68  60  60  60  65  63  60  79  71  61  61  60  60
  60  60  60  60  73  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  69  66  60  60  63  84  82  60  60  60
  75  74  60  71  71  80  84  83  81  60  60  60  60  80  75  64
  70  73  62  65  65  76  72  62  78  72  60  77  76  76  61  64
  60  60  60  61  60  60  60  60  60  60  75  67  61  61  61  60
  62  79  60  64  60  60  60  60  60  60  60  69  61  60  64  65
  85  69  66  60  60  60  60  60  60  60  62  60  62  64  60  63
  65  60  60  67  61  79  64  60  60  60  66  64  60  62  60  61
  60  60  60  60  60  60  60  60  63  60  60  60  60  61  60  60
  60  62  60  60  60  60  60  60  60  60  60  60  60  65  90  74
  60  62  60  60  60  60  60  60  60  60  60  60  60  60  61  74
  87  81  60  60  60  60  79  67  67  60  60  60  60  62  60  63
  60  60  60  60  61  60  60  74  84  87 101 106  97  97  85  85
  85  86  84  84  89 101 101  73  62  75  88  99  94 100 103  97
  82  76  61  69  69  68  73  91 103 106 106  88  60  89 103 105
 109 108 106  62  97 110  97  60  60  60  60 106 110 110 110 110
%EOF


ENTER LOG DATE (DD/MM/YR) : 31/07/79

ENTER SITE CODE (5 CHARS) : SHAFT
ENTER USER CODE (4 CHARS) : 4416
 ENTER JOB CODE (3 CHARS) : 241


   DATA LOGGED :31 JULY 1979          DATA ANALYZED : 20 SEPT 1979
       LOGGER : 08-301/26                 SITE CODE : SHAFT
SERIAL NUMBER : 1220                       JOB CODE : 241
     BASELINE : 60 DB                     USER CODE : 4416
DYNAMIC RANGE : 64 DB                    THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0              STANDBY TIME =   0: 0:31

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
TOTAL DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                    DOSE
HOUR     CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1        74.9       74.9        1.538       1.54
   2        79.1       77.3        2.745       4.30
   3        72.3       76.0        1.069       5.37
   4        67.0       74.6         .512       5.88
   5        71.9       74.1        1.012       6.90
   6        66.9       73.3         .512       7.41
   7        69.1       72.8         .693       8.10
   8        99.5       85.7       46.683      54.78
MIN. COMP. =  60 DB              MAX. COMP. = 110 DB
ARITHMETIC MEAN =  68 DB
STD. DEVIATION =  12 DB
VARIANCE =144 DB
```

(2)

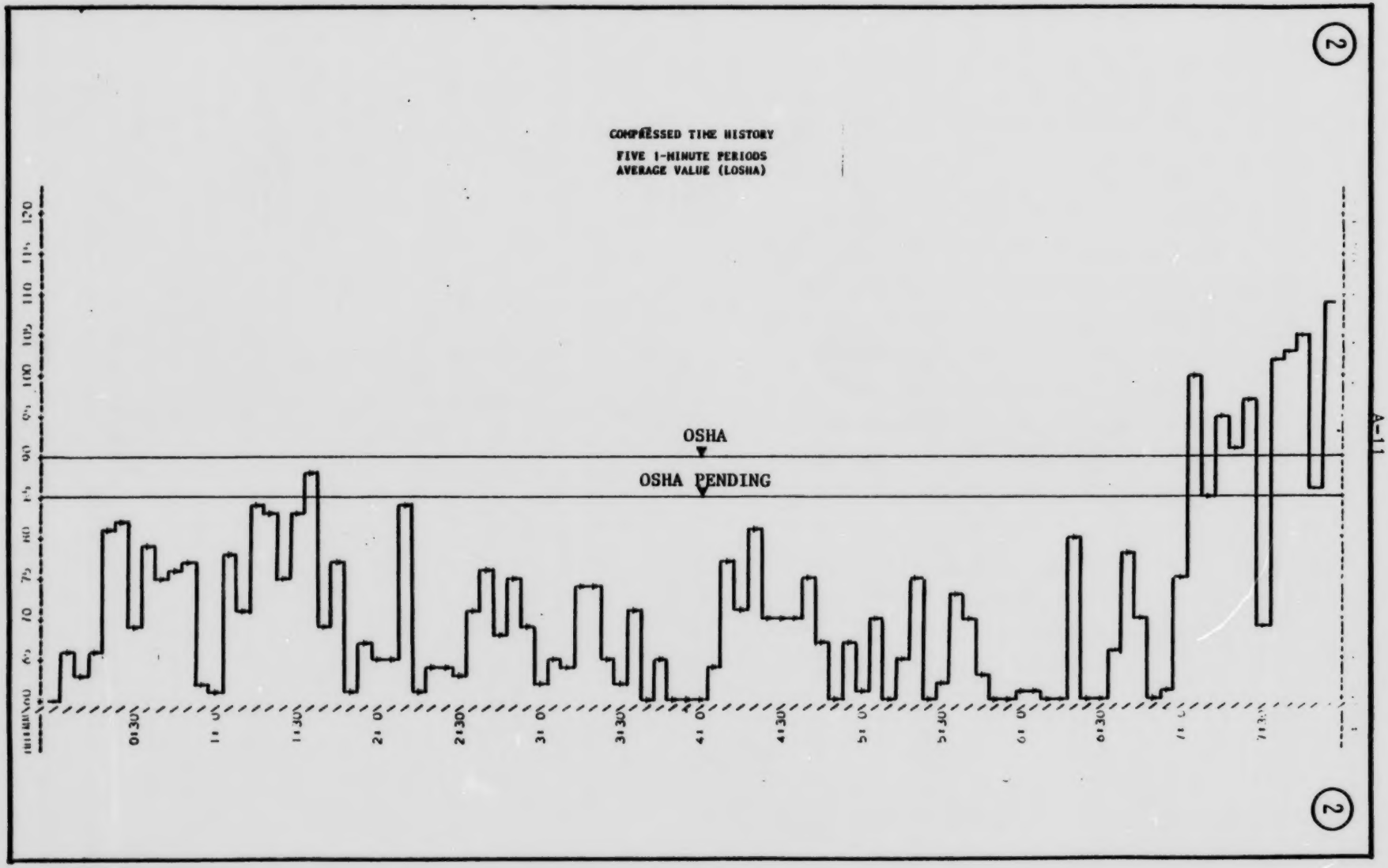
AMPLITUDE DISTRIBUTION

(2) (2)



FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
254	52.9	60 TO 64
72	15.0	65 TO 69
39	8.1	70 TO 74
33	6.9	75 TO 79
28	5.8	80 TO 84
20	4.2	85 TO 89
7	1.5	90 TO 94
7	1.5	95 TO 99
7	1.5	100 TO 104
8	1.7	105 TO 109
5	1.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480


COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
2
2

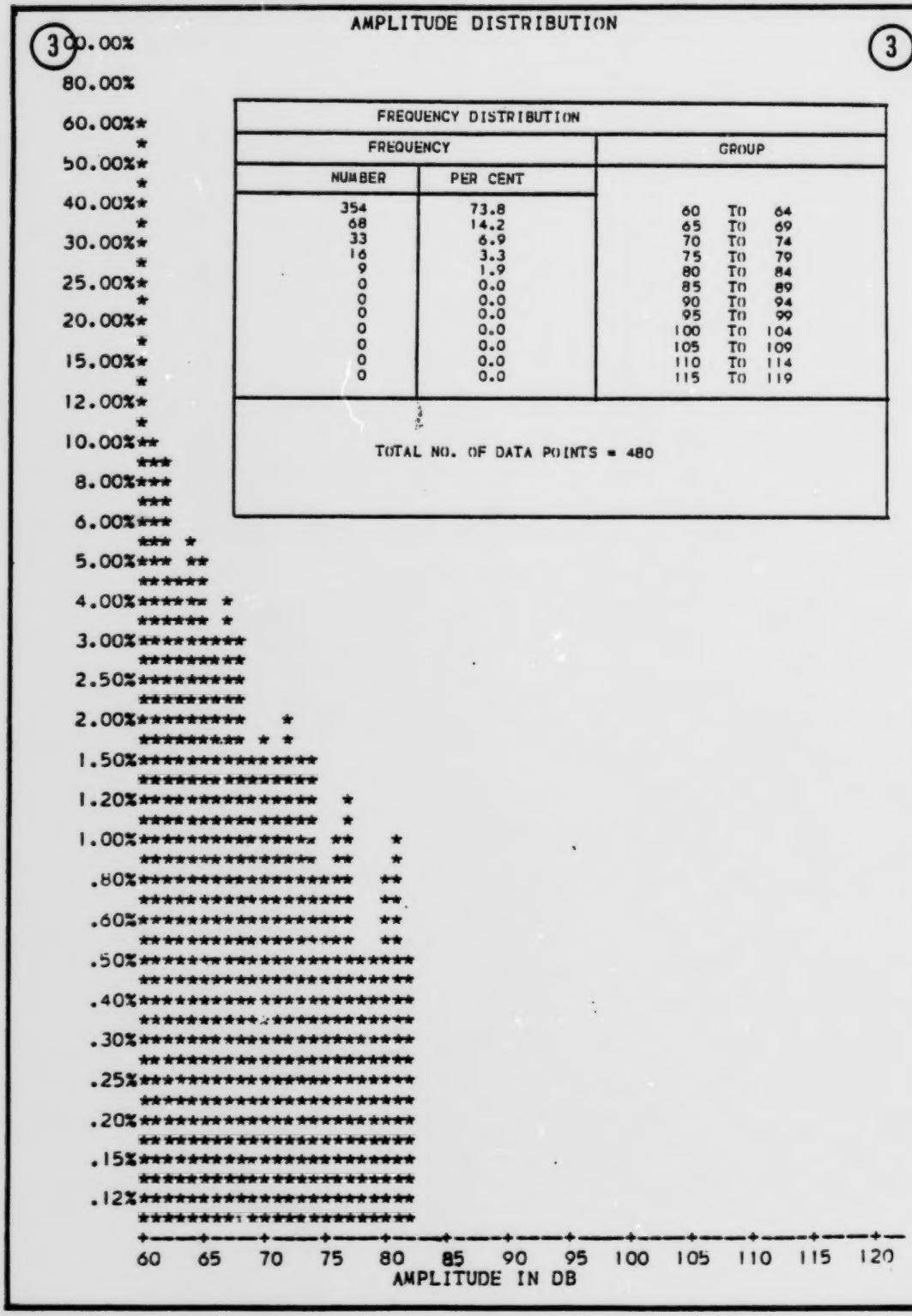
(3)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

  1  26  80  1213   60   64    4    1
      76      115200  480
 60  72  63  66  61  60  60  77  73  60  64  62  70  70  70  73
 68  67  77  76  71  60  61  64  60  61  60  67  65  61  60  63
 61  67  64  66  65  60  77  60  62  63  66  75  70  78  80  80
 79  81  82  72  63  67  60  60  61  60  60  60  61  60  60  63
 62  60  61  60  60  64  62  60  60  60  60  60  60  81  62  60
 60  65  65  60  60  61  60  60  74  69  61  68  64  67  67  75
 68  73  72  69  62  60  67  62  60  60  60  64  62  60  60  60
 65  60  60  61  61  63  63  60  60  67  60  60  60  60  60  60
 60  60  61  60  60  62  60  63  64  60  62  70  62  60  65  60
 60  62  72  74  77  63  65  64  60  60  60  60  60  68  69  62
 61  60  60  62  64  64  65  70  70  67  81  71  67  76  62  72
 73  60  60  61  62  60  62  60  60  60  60  60  63  60  60  61
 60  60  60  67  64  62  65  62  64  61  81  72  63  64  60  64
 61  60  74  60  60  68  60  65  80  74  79  69  60  65  60  64
 61  66  60  60  60  60  61  72  62  60  61  68  61  60  60  64
 60  60  66  61  60  60  60  60  60  60  60  71  60  60  60  67
 74  67  76  73  60  60  60  60  60  68  64  64  60  68  60  60
 62  60  60  60  61  60  60  64  62  60  60  60  60  60  60  65
 77  65  66  76  60  60  60  60  60  63  66  60  60  60  64  60
 60  60  65  60  82  60  60  66  60  62  60  60  60  60  61  60
 61  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  78  63  60  61  62  68  68  63  60  60  67  60  60  60
 60  62  64  60  60  60  60  61  61  60  60  68  60  60  66  62
 63  60  60  62  72  61  60  63  60  60  60  60  60  60  60  60
 60  61  60  60  62  60  60  60  60  60  60  60  61  60  60  60
 62  60  60  60  60  60  60  60  60  60  60  62  60  68  65  60
 60  60  65  66  60  61  60  60  60  67  75  68  60  61  62  64
 74  60  62  71  60  60  60  64  61  60  61  65  71  60  66  69  66
 60  61  65  60  61  60  65  61  60  60  62  60  60  60  65  73
 60  60  65  62  60  60  60  60  63  61  71  67  60  60  62  69
%EOF


ENTER LOG DATE (DD/MM/YR) : 25/07/79
ENTER SITE CODE (5 CHARS) : GENSE
ENTER USER CODE (4 CHARS) : 4133
 ENTER JOB CODE (3 CHARS) : SMA


   DATA LOGGED :25 JULY 1979          DATA ANALYZED : 19 SEPT 1979
        LOGGER : DB-301/26                 SITE CODE : GENSE
 SERIAL NUMBER : 1213                      JOB CODE : SMA
      BASELINE : 60 DB                     USER CODE : 4133
 DYNAMIC RANGE : 64 DB                     THRESHOLD : 80 DB
 SAMPLING RATE :  4/SEC               TOTAL SAMPLES = 115200
 TEST DURATION =   8: 0: 0             STANDBY TIME =  0: 0:19

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                    %DOSE
HOUR     CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1        70.3       70.3         .814         .81
   2        65.2       68.2         .401        1.21
   3        66.4       67.6         .477        1.69
   4        66.4       67.4         .477        2.17
   5        64.8       66.9         .382        2.55
   6        63.9       66.5         .336        2.89
   7        61.7       66.0         .248        3.13
   8        64.5       65.8         .363        3.50
MIN. COMP. =  60 DB              MAX. COMP. =  82 DB
ARITHMETIC MEAN =  63 DB
STD. DEVIATION =   5 DB
VARIANCE = 25 DB
```

(3)

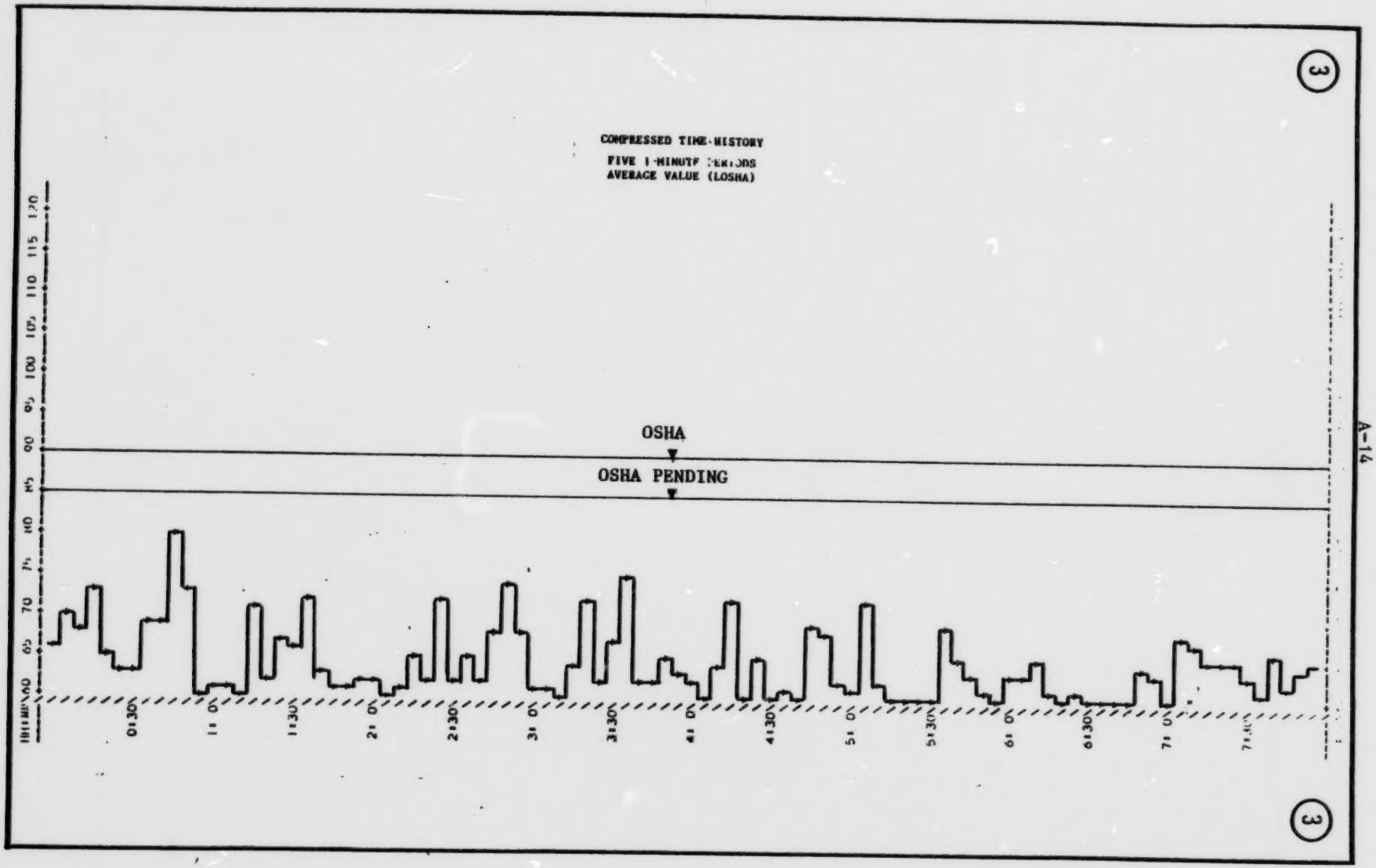
AMPLITUDE DISTRIBUTION

(3) (3)



FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
354	73.8	60 To 64
68	14.2	65 To 69
33	6.9	70 To 74
16	3.3	75 To 79
9	1.9	80 To 84
0	0.0	85 To 89
0	0.0	90 To 94
0	0.0	95 To 99
0	0.0	100 To 104
0	0.0	105 To 109
0	0.0	110 To 114
0	0.0	115 To 119

TOTAL NO. OF DATA POINTS = 480


3
COMPRESSED TIME-HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
3

4

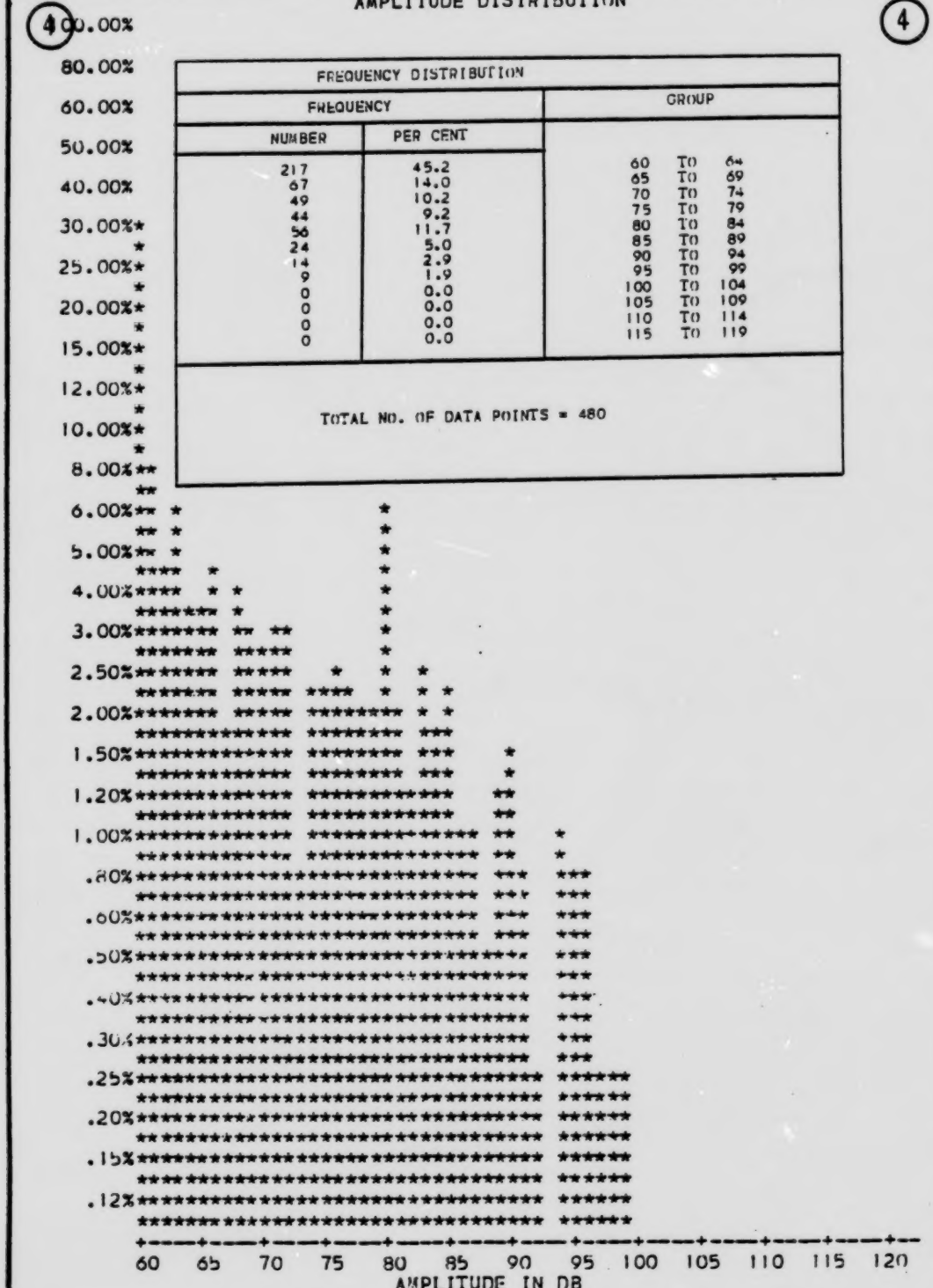
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1219   60   64    4    1
     42     115200  480
  61  62  60  60  63  64  69  60  66  69  61  63  61  64  60  61
  68  65  66  72  63  77  83  90  61  60  80  65  60  60  60  64
  71  60  76  84  63  61  60  66  78  61  60  74  65  77  85  90
  92  98  94  90  89  89  83  60  60  62  62  60  60  69  65  64
  71  61  60  71  60  60  62  60  63  60  60  60  65  63  61  68
  68  77  83  75  82  72  72  70  70  76  71  66  83  75  74  75
  81  77  79  80  81  82  81  81  79  80  78  78  80  78  79  79
  80  79  80  80  80  79  79  80  81  80  80  80  80  80  80  80
  80  81  80  82  81  80  80  80  80  79  78  76  75  70  76  81
  74  77  76  78  72  68  76  66  68  68  64  71  66  65  66  60
  60  60  60  60  60  60  63  62  60  65  64  63  62  64  72  67
  73  72  67  71  72  72  75  74  66  76  73  61  63  75  71  71
  69  67  64  63  65  75  66  69  63  60  67  70  64  63  66  64
  69  68  63  69  63  61  69  74  74  72  68  67  68  60  66  77
  60  60  60  60  60  60  60  80  84  97  60  66  70  60  67  68
  63  68  60  71  71  70  77  65  69  67  68  78  69  72  63  63
  66  60  62  65  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  63  60  60  60  60  60  60  60  60  60
  60  60  78  68  60  60  68  60  62  62  60  61  63  64  70  72
  60  60  62  70  71  77  60  60  60  72  60  60  60  63  61  66
  69  64  65  68  60  72  61  60  60  68  63  60  60  60  60  61
  60  60  60  60  69  60  61  62  60  60  60  63  61  60  62  61
  60  60  60  70  71  61  84  89  61  65  61  62  60  60  75  60
  62  65  61  63  61  65  70  60  74  84  60  62  83  63  60  63
  60  61  64  63  66  61  62  61  61  60  61  60  61  60  60  60
  60  71  76  60  69  60  60  64  60  62  61  60  60  61  64  77
  91  91  90  94  95  99  96  96  83  88  91  66  87  94  94  95
  96  95  85  73  80  60  74  61  66  74  63  76  60  82  80  75
  70  60  60  61  80  85  89  90  90  85  85  85  86  85  84  82
  84  83  83  83  85  84  85  86  89  86  87  87  87  88  86  76
%EOF


ENTER LOG DATE (DD/MM/YR) : 31/07
ENTER)IT9
ENTER USER CODE (4 CHARS) : 4805

 ENTER JOB CODE (3 CHARS) : 296


   DATA LOGGED :31 JULY 1900          DATA ANALYZED : 24 SEPT 1979
       LOGGER : DB-301/26                  SITE CODE : 79
SERIAL NUMBER : 1219                        JOB CODE : 241
     BASELINE : 60 DB                      USER CODE : 4180
DYNAMIC RANGE : 64 DB                      THRESHOLD :  80 DB
SAMPLING RATE :  4/SEC                  TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0                STANDBY TIME =   0: 0:10

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES


TIME          LOSHA                        %DOSE
HOUR     CURRENT  CUMULATIVE        CURRENT  CUMULATIVE
   1       79.8      79.8           3.051      3.05
   2       76.0      78.2           1.797      4.85
   3       75.0      77.3           1.570      6.42
   4       74.0      76.6           1.369      7.79
   5       65.4      75.3            .415      8.20
   6       68.6      74.6            .641      8.84
   7       75.0      74.6           1.564     10.41
   8       87.1      78.0           8.419     18.82
MIN. COMP. =  60 DB              MAX. COMP. =  99 DB
ARITHMETIC MEAN =  69 DB
STD. DEVIATION =  10 DB
VARIANCE =100 DB
```

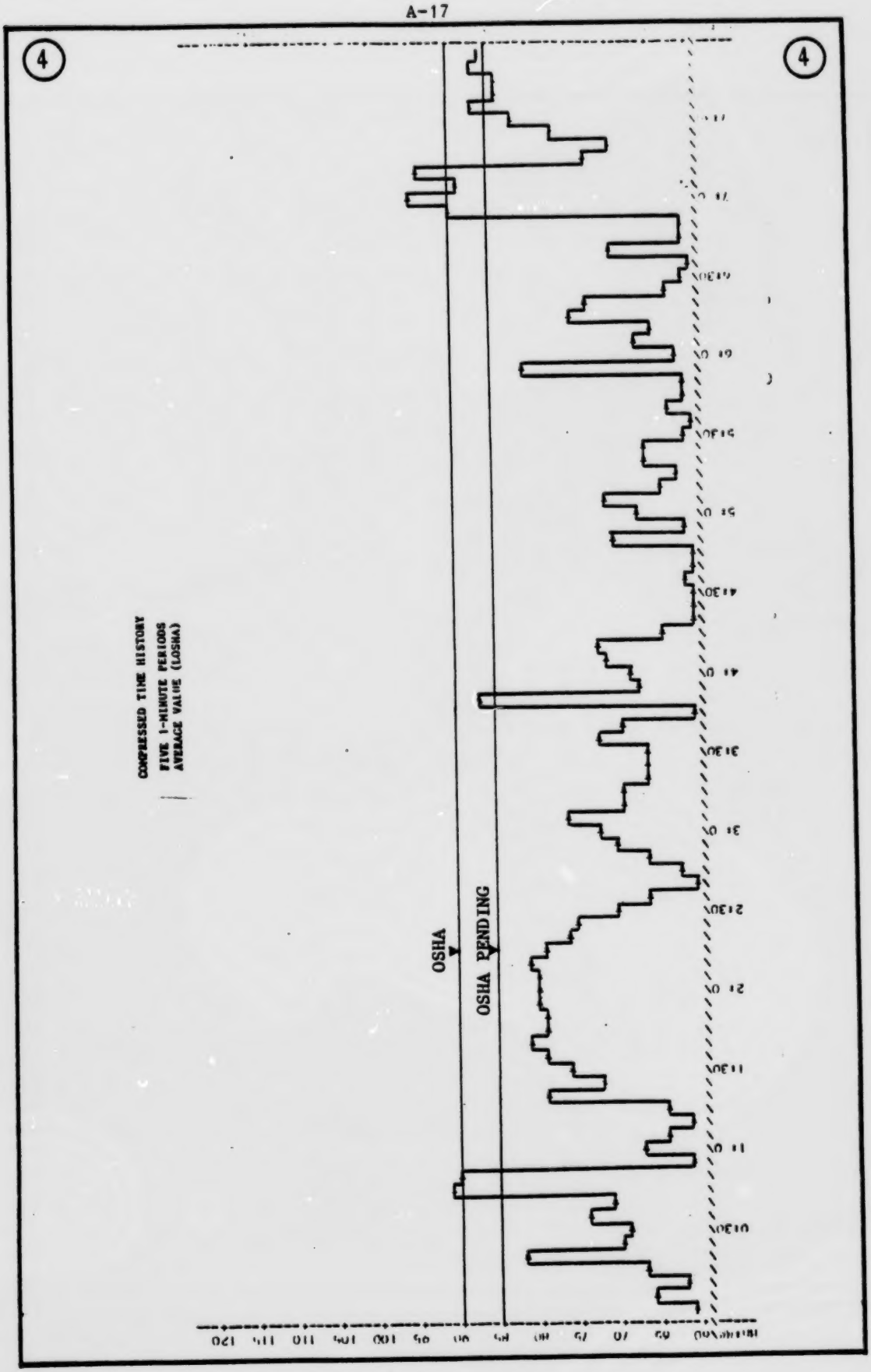
AMPLITUDE DISTRIBUTION

(4) (4)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
217	45.2	60 TO 64
67	14.0	65 TO 69
49	10.2	70 TO 74
44	9.2	75 TO 79
56	11.7	80 TO 84
24	5.0	85 TO 89
14	2.9	90 TO 94
9	1.9	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




4
4
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
01:30
1: 0
11:30
2: 0
21:30
3: 0
31:30
4: 0
41:30
5: 0
51:30
6: 0
61:30
120
115
110
105
100
95
90
85
80
75
70
65

(5)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1216   60   64    4    1
     392     115200  480
 64  60  68  62  60  64  71  67  71  72  72  67  68  69  72  71
 61  64  62  71  74  76  64  63  61  60  60  63  60  60  61  62
 71  74  75  70  79  83  78  89  94  99  99  98  89  98  96  98
 97  81  74  73  68  73  64  67  68  69  66  70  68  70  72  75
 75  73  67  70  73  74  69  69  62  62  67  73  69  61  61  61
 73  61  63  64  77  73  67  68  75  83  85  85  87  87  81  77
 96  101 101 103 105 96  96  95  93  94  97  96  92  87  91  87
100  100 100 91  94  98  101 101 104 105 102 90   1  95  91  91
102  100 99  97  92  92  94  93  97  98  98  90  89  92  94  85
 81  77  76  78  103 99  92  102 102 99  93  95  97  97  91  91
 97  89  87  88  83  70  82  75  66  81  80  73  82  80  77  82
 68  73  80  80  80  94  100 96  97  100 97  93  98  92  70  85
 98  95  91  82  71  67  68  67  73  77  83  85   1  95  94  93
101  102 108 108 107 107 105 105 102 100 98  99  97  91  86  86
 86  85  95  98  94  70  84  81  86  85  80  77  71  73  83  88
 95  101 96  97  101 110 110 110 102 101 100 89   9  89  79  89
 91  97  97  95  79  80  80  80  80  80  80  81  80  80  80  80
 80  81  83  83  80  81  80  83  80  80  80  80  81  82  80  80
 80  80  80  80  80  80  80  80  80  84  82  80  83  80  80  80
 87  76  81  76  80  80  70  80  88  74  80  69  71  80  89  96
 95  100 88  93  104 101 104 106 108 108 106 104  75  73  92  102
111  111  94  97  93  94  90  92  94  89  91  96  99  96 100  87
 87  94  99 100 106  93  93  95 101 100  99  98  97  95  93 100
101  99  85  70  61  72  89  89  89  89  90  90  90  89  90  90
 90  91  95  94  94  92  96  97  92  92  97  90  79  75  79  78
 68  83  78  89  74  74  67  67  74  80  80  83  80  81  80  84
 71  71  76  76  85  93  81  81  84  85  78  85  71  81  77  82
 84  74  80  80  80  80  80  80  80  80  80  80  80  80  80  80
 80  80  80  80  80  80  80  80  85  80  80  80  80  80  80  80
 80  80  80  80  80  80  80  80  80  80  80  80  80  80  80  80
/EOF
```

(5)

```
ENTER LOG DATE (DD/MM/YR) : 20/07/79
ENTER SITE CODE (5 CHARS) : CC203
ENTER USER CODE (4 CHARS) : 7012

 ENTER JOB CODE (3 CHARS) : 211
```

(6)

```
    DATA LOGGED :20 JULY 1979
         LOGGER : [-301/25
  SERIAL NUMBER : 1216
       LABELLING : 80 DB
  DYNAMIC RANGE : 64 DB
  SAMPLING RATE :  4/SEC
  TEST DURATION =  [illegible]

DATA ANALYZED : 14 SEPT 1979
     SITE CODE : CC203
      JOB CODE : 211
     USER CODE : 7012
     THRESHOLD : 60 DB
TOTAL SAMPLES = 115200
 STARTED AT   = [illegible]
```

TIME HISTORY ANALYSIS

```
NOISE EXPOSURE LEVEL (N.E.L.) CALCULATIONS
ARE BASED ON THE POLLO LOG
[illegible]
CALIBRATION (POLLO) LEVEL = [illegible]
THRESHOLD (CUTOFF) LEVEL = 60 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

HOUR	LEVEL CURRENT	LEVEL CUMULATIVE	ENERGY CURRENT	ENERGY CUMULATIVE
1	85.3	85.3	4.594	4.56
2	96.2	90.6	17.712	22.57
3	96.5	91.6	23.[illegible]	47.05
4	98.9	92.9	31.162	79.21
5	94.3	93.2	22.620	97.83
6	97.0	94.3	37.956	135.79
7	90.6	93.9	13.[illegible]	147.45
8	72.4	93.0	1.045	150.53

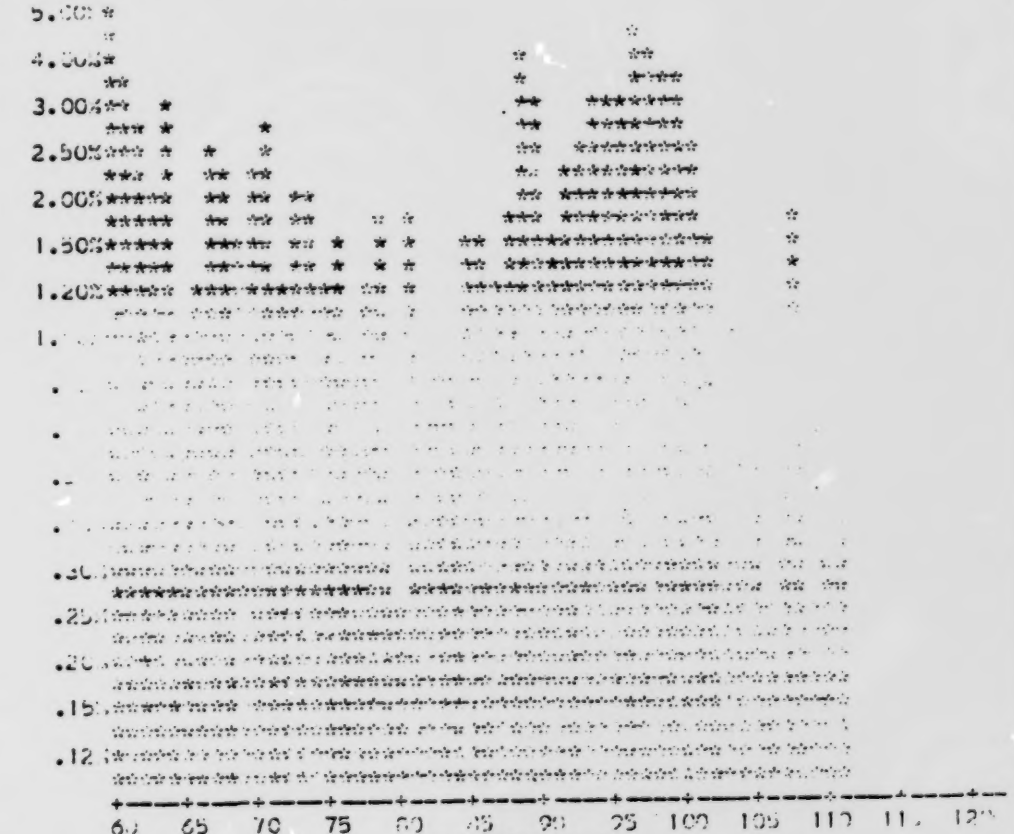
```
MIN. COMP. =  60 DB                MAX. COMP. = 111 DB
ARITHMETIC MEAN =  79 DB
STD. DEVIATION =  [illegible]
VARIANCE =256 DB
```

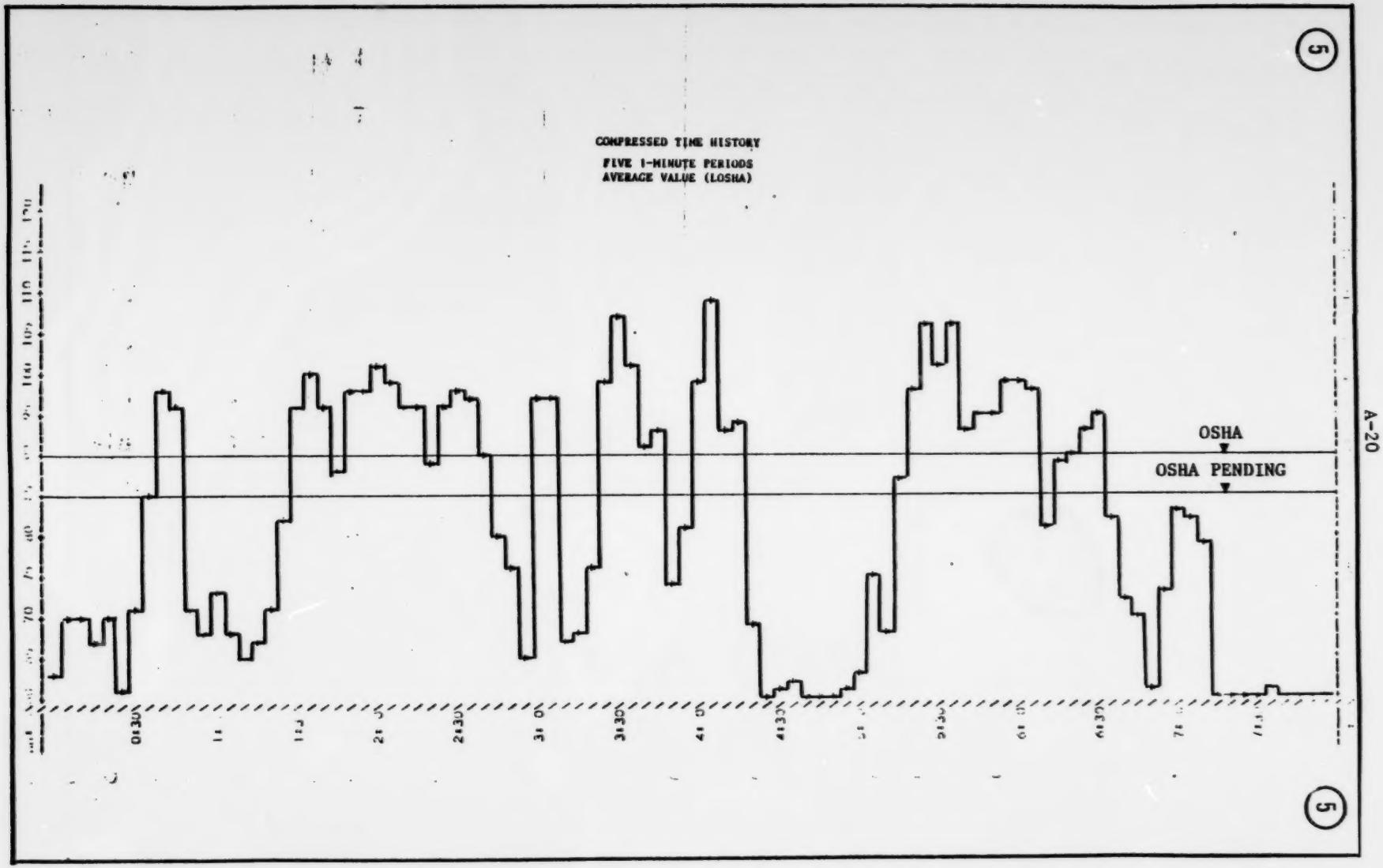
AMPLITUDE DISTRIBUTION

5

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
145	30.2	60 TO 64
34	7.1	65 TO 69
41	8.5	70 TO 74
26	5.4	75 TO 79
17	3.5	80 TO 84
40	8.3	85 TO 89
50	10.4	90 TO 94
72	15.0	95 TO 99
36	7.5	100 TO 104
14	2.9	105 TO 109
5	1.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




5
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
5

6

PLACE TAPE IN READER THEN TYPE A "SPACE" AND A "RETURN"

1	25	80	1219	60	64	4	1								
	282		115200	480											
75	79	76	65	79	78	76	76	76	76	77	76	82	81	70	75
77	80	65	68	77	76	78	74	78	70	71	79	73	79	86	90
92	96	100	100	100	101	101	99	101	101	88	84	79	68	72	67
61	62	61	61	67	74	73	64	[illegible]	73	87	100	91	90	67	89
92	95	98	95	102	118	119	118	119	118	118	119	119	117	115	119
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	115	110	114	116	117	119	113	118
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92	91	97	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97	102	101
106	105	93	103	102	103	97	104	104	102	103	105	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	99	99	99	98	98	99	102	107	105	98	96	96	96
96	102	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
99	99	99	99	99	99	98	97	98	97	97	97	97	97	99	110
105	100	[illegible]	98	98	98	98	98	99	99	99	110	110	112	119	119
119	119	119	119	119	118	118	[illegible]	117	113	119	119	119	119	119	119
119	119	116	108	114	98	114	118	119	119	115	117	114	115	113	97
98	97	97	97	98	116	104	99	99	99	113	116	118	116	97	97
97	97	96	96	96	97	97	96	96	96	96	96	97	97	97	97
97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
97	97	97	97	97	97	97	97	97	96	97	97	96	96	108	118
116	118	118	118	118	114	98	100	99	114	117	118	118	118	118	118
116	118	118	117	117	117	117	116	116	114	102	97	97	96	96	96
96	96	96	96	96	97	96	97	97	97	97	102	114	118	118	118
117	118	118	118	118	117	118	115	118	118	118	118	118	119	118	116
118	117	115	119	119	119	118	118	118	119	119	117	117	119	118	118
118	118	119	119	119	119	119	117	116	117	116	118	117	119	119	119
119	118	117	116	116	117	117	117	118	118	118	118	118	118	118	110
104	105	101	108	112	111	117	118	104	105	105	105	105	118	118	119
117	117	120	122	120	119	119	117	114	115	114	114	109	101	99	86
71	68	73	73	64	63	60	70	70	63	72	69	65	68	75	71
75	78	63	68	70	65	72	80	90	89	90	89	89	90	90	89

&EOF

ENTER LOG DATE (DD/MM/YR) : 20/07/79
ENTER SITE CODE (5 CHARS) : CC203

ENTER USER CODE (4 CHARS) : 4596

ENTER JOB CODE (3 CHARS) : 271

DATA LOGGED :20 JULY 1979
LOGGER : [illegible]-301/26
SERIAL NUMBER : 1219
BASELINE : 60 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE : [illegible]/SEC
TEST DURATION = [illegible]

DATA ANALYZED : 14 SEPT 1979
SITE CODE : [illegible]
JOB CODE : 271
USER CODE : [illegible]
THRESHOLD :
TOTAL SAMPLES = [illegible]
STANDARD TIME = [illegible]

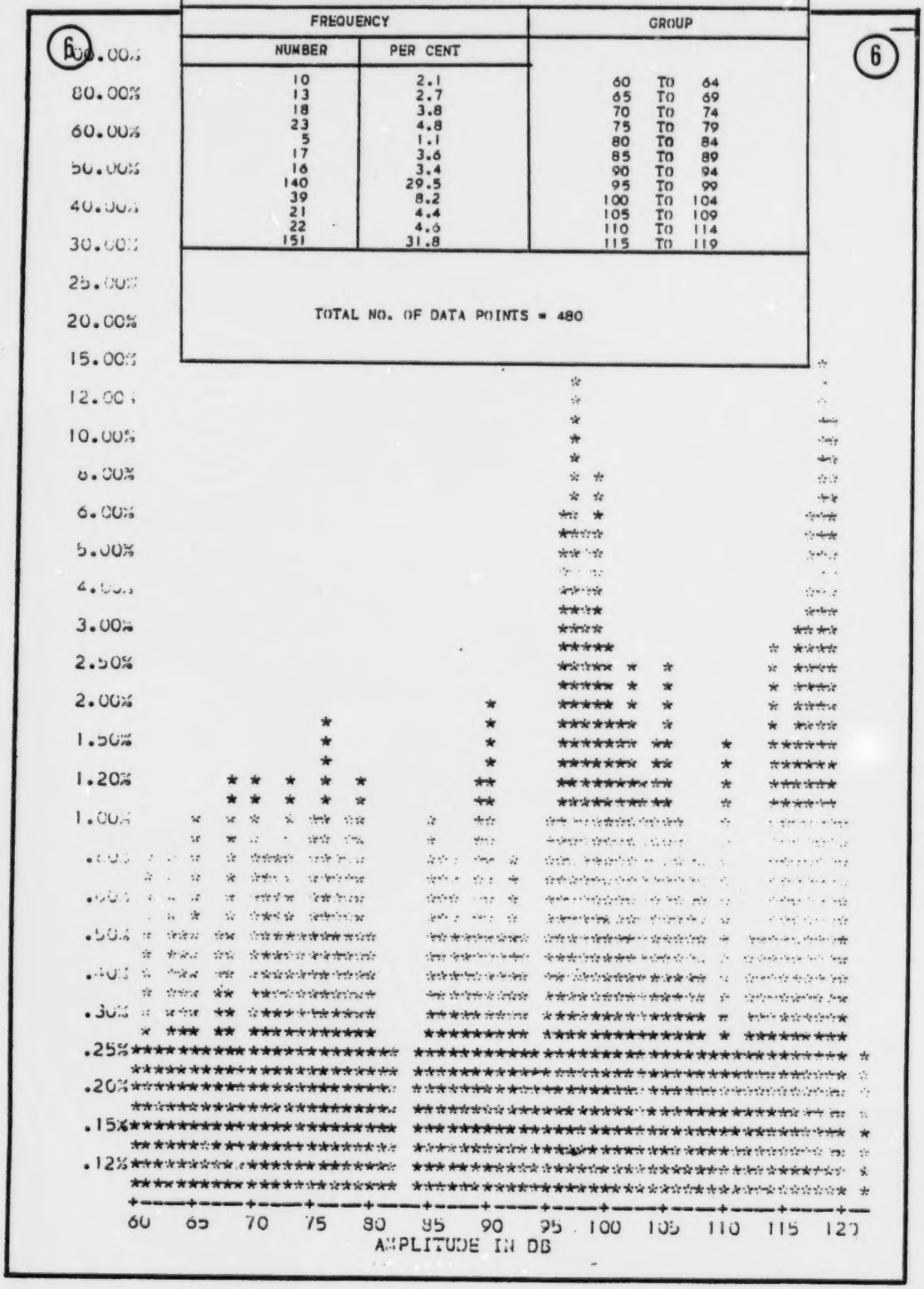
TIME HISTORY ANALYSIS

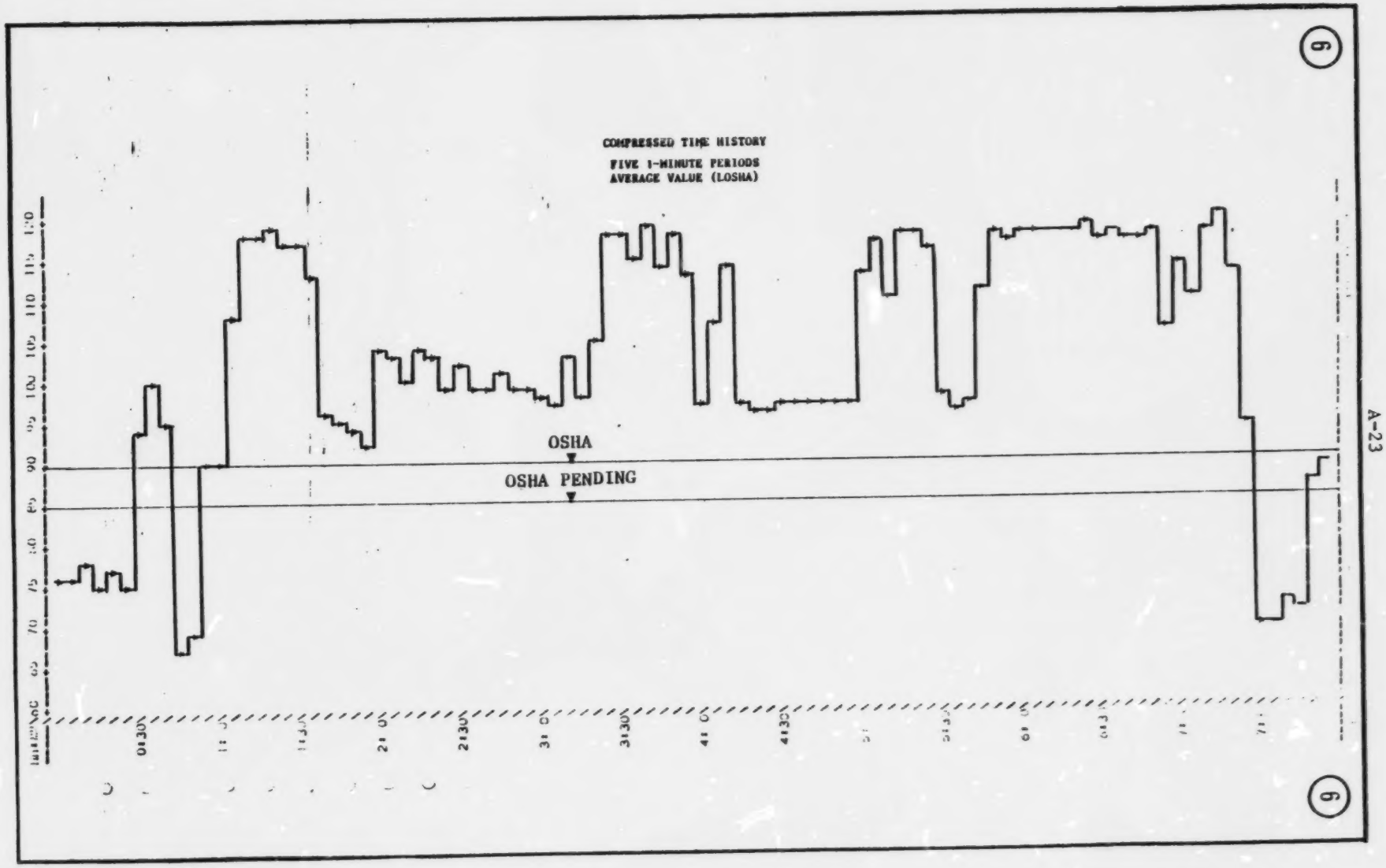
NOISE PRESSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
[illegible] = [illegible]
EXCHANGE ([illegible]) RATE = [illegible]
THRESHOLD (CUTOFF) LEVEL = [illegible] DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

TIME HOUR	LOGGER CURRENT	LOGGER CUMULATIVE	POST CURRENT	POST CUMULATIVE
1	88.7	88.7	10.487	10.49
2	113.0	[illegible]	301.2	311.77
3	101.2	[illegible]	59.371	371.15
4	113.4	108.9	319.81[illegible]	[illegible]
5	102.4	108.0	69.321	760.26
6	113.9	109.4	345.1[illegible]	1105.39
7	117.5	111.3	5[illegible].432	[illegible]
8	109.7	111.1	191.635	[illegible]

MIN. COMP. = 60 DB
ARITHMETIC MEAN = 101 DB
STD. DEVIATION = 10 DB
VARIANCE = [illegible] DB
MAX. COMP. = 122 DB

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
10	2.1	60 TO 64
13	2.7	65 TO 69
18	3.8	70 TO 74
23	4.8	75 TO 79
5	1.1	80 TO 84
17	3.6	85 TO 89
16	3.4	90 TO 94
140	29.5	95 TO 99
39	8.2	100 TO 104
21	4.4	105 TO 109
22	4.6	110 TO 114
151	31.8	115 TO 119
TOTAL NO. OF DATA POINTS = 480		




COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

7

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

7

```
  1  26  80  1221   60   64    4    1
     12     115200  480
  60  62  70  63  63  72  66  74  74  61  61  62  60  60  62  67
  60  62  63  63  60  60  60  60  60  60  60  62  68  75  66  68
  83  89  89  91  99  98  99  97  98  97  95  98  94  64  75  67
  67  63  60  60  60  60  60  70  80  86  96  77  88  86  86  86
  88  88  91  91  96  92  71  73  77  81  65  67  68  93  98  96
  95  97  98  97  97  96  84  82  86  86  87  86  80  80  81  81
  96  97  97  95  88  93  99  99  98  97  90  95  80  80  80  80
  61  78  69  66  65  69  73  66  89  95  96  97  79  90  94  95
  86  94  97  99  97  97  95  90  92  95 100 100  94  85  84  85
  85  85  86  84  86  87  87  87  86  86  87  88  92  93  87  86
  86  87  86  86  87  86  86  91  93  90  87  88  89  88  88  88
  88  87  86  86  87  88  89  88  87  87  89  90  88  87  89  89
  89  90  89  89  88  87  87  87  87  87  87  87  87  87  87  87
  87  88  89  89  89  88  89  88  88  87  88  88  88  88  88  88
  89  89  90  88  88  88  87  88  88  89  89  89  89  89  88  88
  88  87  87  87  87  87  87  88  88  87  88  88  88  88  89  89
  88  88  88  88  88  88  88  89  88  90  89  87  87  88  87  87
  87  88  87  88  88  90  89  87  87  86  86  88  88  87  87  87
  88  87  88  88  88  88  88  88  89  88  89  90  88  89  90  89
  89  89  90  90  88  88  88  88  87  88  88  88  90  89  89  89
  89  92  97 101  99  97  97  83  77  78  88  92  83  85  89  89
  85  86  84  85  85  86  84  85  84  84  84  84  85  86  89  85
  86  88  84  84  84  84  84  83  83  85  84  84  84  85  86  85
  85  84  85  86  86  86  86  86  86  87  85  86  87  87  88  86
  88  85  85  84  85  84  84  84  84  84  85  86  85  84  85  85
  85  85  87  87  89  86  85  85  81  81  80  80  81  81  87  85
  87  86  89  92  88  96  97  99  86  86  86  85  92  97 101  94
  73  75  67  65  60  60  60  60  60  60  60  60  62  82  86  74
  65  67  66  92  91  86  64  95  98  82  66  79  82  76  64  60
  68  66  61  60  60  60  60  60  60  60  60  60  60  60  60  60
%EOF
```

```
ENTER LOG DATE (DD/MM/YR) : 20/07/79
ENTER SITE CODE (5 CHARS) : CC203

ENTER USER CODE (4 CHARS) : 4721
 ENTER JOB CODE (3 CHARS) : 274
```

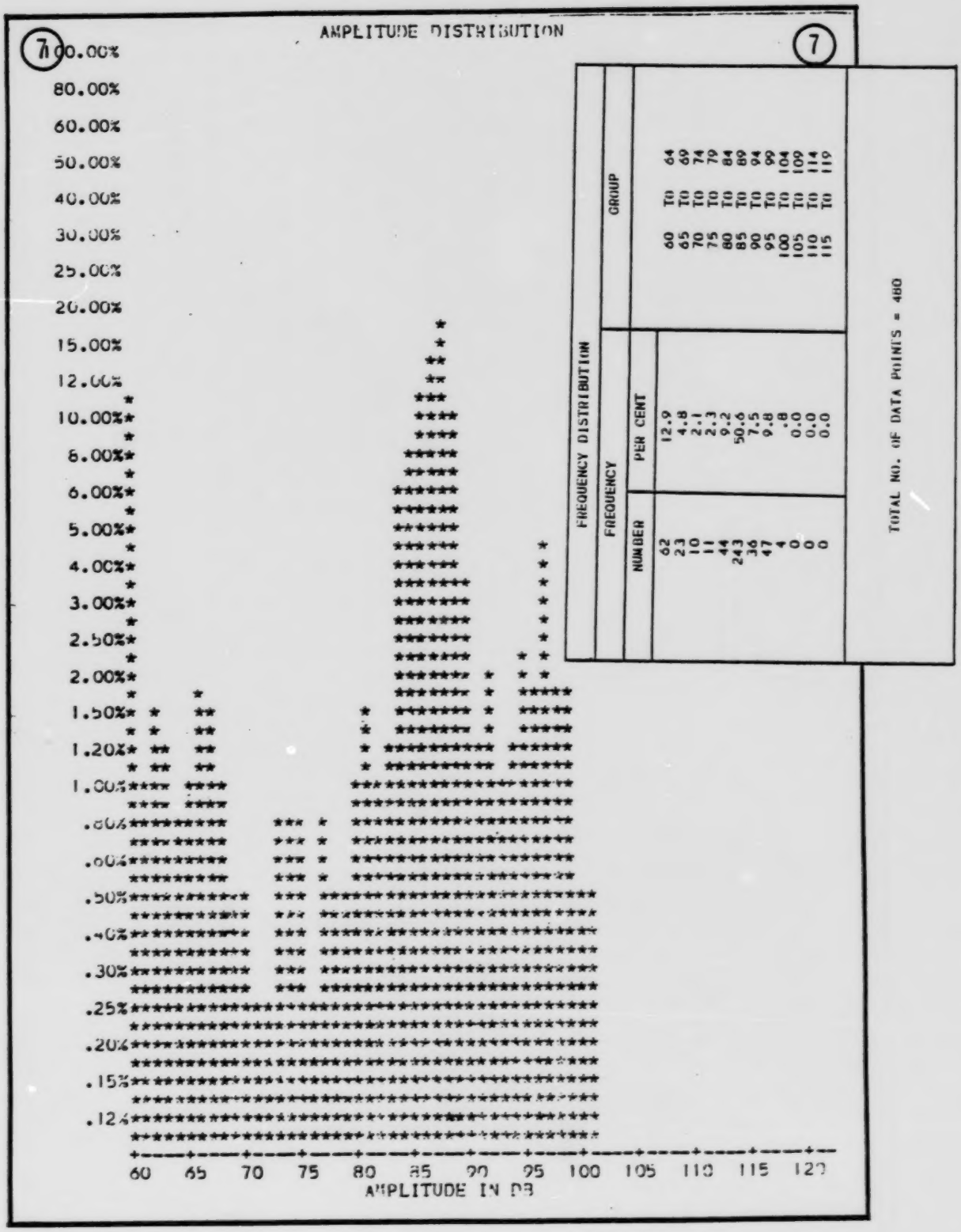
```
   DATA LOGGED :20 JULY 1979          DATA ANALYZED : 17 SEPT 1979
       LOGGER : DB-301/26                  SITE CODE : CC203
SERIAL NUMBER : 1221                        JOB CODE : 274
     BASELINE : 60 DB                      USER CODE : 4721
DYNAMIC RANGE : 64 DB                      THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC                 TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0               STANDBY TIME =   0: 0: 3
```

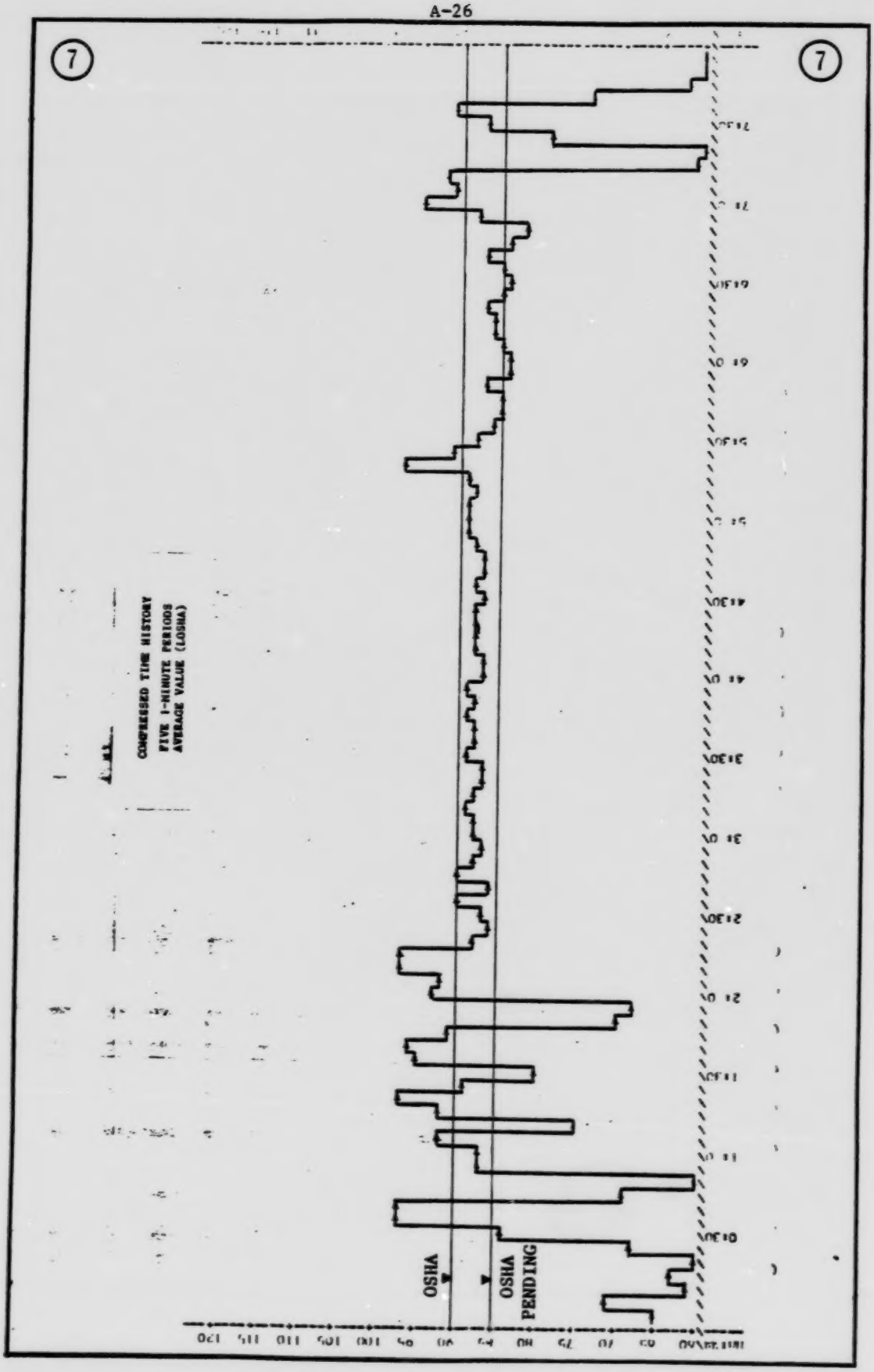
TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

TIME	LOSHA		%DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	85.7	85.7	6.903	6.90
2	90.5	88.5	13.441	20.34
3	91.1	89.5	14.616	34.96
4	88.2	89.2	9.679	44.64
5	87.9	88.9	9.324	53.96
6	89.0	89.0	10.943	64.91
7	85.4	88.5	6.646	71.55
8	85.6	88.2	6.825	78.38

MIN. COMP. = 60 DB MAX. COMP. = 101 DB
ARITHMETIC MEAN = 83 DB
STD. DEVIATION = 11 DB
VARIANCE =121 DB


AMPLITUDE DISTRIBUTION
100.00%
80.00%
60.00%
50.00%
40.00%
30.00%
25.00%
20.00%
15.00%
12.00%
10.00%
6.00%
6.00%
5.00%
4.00%
3.00%
2.50%
2.00%
1.50%
1.20%
1.00%
.80%
.60%
.50%
.40%
.30%
.25%
.20%
.15%
.12%
60 65 70 75 80 85 90 95 100 105 110 115 120
AMPLITUDE IN DB
FREQUENCY DISTRIBUTION
GROUP
FREQUENCY
NUMBER
PER CENT
60 TO 64 62 12.9
65 TO 69 23 4.8
70 TO 74 10 2.1
75 TO 79 11 2.3
80 TO 84 44 9.2
85 TO 89 243 50.6
90 TO 94 36 7.5
95 TO 99 47 9.8
100 TO 104 4 .8
105 TO 109 0 0.0
110 TO 114 0 0.0
115 TO 119 0 0.0
TOTAL NO. OF DATA POINTS = 480


7
7
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA
PENDING

(8)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1226    60    64     4     1
      54     115200   480
  60  60  60  60  60  60  60  60  60  60  60  60  60  69  68  64
  60  60  77  71  60  74  60  60  63  60  60  60  60  60  60  60
  60  60  60  64  66  75  75  69  60  60  60  60  60  60  60  60
  60  60  61  66  60  60  60  60  60  60  60  62  76  84  92  71
  60  71  69  88  87  90  90  89  92  91  91  90  91  92  91  90
  91  91  91  90  90  90  90  90  90  90  89  89  90  90  90  90
  90  90  89  89  89  89  89  90  89  87  89  89  89  88  88  89
  88  87  88  85  88  86  86  81  86  89  89  89  90  90  90  90
  90  90  93  91  91  93  92  92  92  90  88  89  90  92  92  93
  93  93  92  92  92  92  91  93  92  92  92  93  94  94  94  94
  93  95  96  96  97  97  97  95  94  96  97  96  97  97  96  97
  97  96  98  98  98  99  98  98  98  90  86  87  86  85  84  83
  84  82  82  81  82  78  77  76  77  82  74  75  72  68  76  76
  76  72  77  69  70  66  63  76  64  69  65  61  60  60  60  67
  60  60  60  63  60  60  60  60  60  60  60  60  60  60  60  61
  60  60  64  60  61  60  60  60  60  85  94  81  89  84  65  74
  60  60  60  60  60  60  60  60  60  60  64  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  61  66  60  62  85  89  78  70  88  86  82  81  88
  90  70  62  61  60  60  60  60  60  60  60  60  60  60  60  89
  86  85  90  94  88  92  92  92  92  93 100  60  60  60  61  61
  60  60  62  60  60  60  60  60  60  60  60  60  60  62  60  60  60
  60  61  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  61  60  60  60  60  61  60
  60  60  60  60  61  60  60  60  60  60  62  60  60  60  60  60
  60  60  60  60  61  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  64  60  60  60  60  60  60  60  60  60
  60  60  60  82  92  88  83  91  90  92  83  81  91  96  96  98
  98  98  97  98  98  97  96  97  94  87  89  74  77  60  60  61
  67  60  60  60  60  60  60  81  85  68  60  71  61  60  61  60
%EOF
```

(8)

```
ENTER LOG DATE (DD/MM/YR) : 25/07/79
ENTER SITE CODE (5 CHARS) : 2SSYA
ENTER USER CODE (4 CHARS) : 4710
 ENTER JOB CODE (3 CHARS) : GSL
```

```
   DATA LOGGED :25 JULY 1979          DATA ANALYZED : 19 SEPT 1979
       LOGGER : DB-301/26                 SITE CODE : 2SSYA
SERIAL NUMBER : 1226                       JOB CODE : GSL
     BASELINE : 60 DB                     USER CODE : 4710
DYNAMIC RANGE : 64 DB                    THRESHOLD :  80 DB
SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  115200
TEST DURATION =   0: 0: 0              STANDBY TIME =   0: 0:13
```

TIME HISTORY ANALYSIS

```
NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

TIME	LOSHA		%DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	84.0	84.0	.342	.34
2	88.8	84.0	10.536	10.88
3	93.5	88.7	20.393	31.27
4	83.5	87.7	5.058	36.33
5	74.7	86.4	1.491	37.82
6	82.0	85.8	4.152	41.97
7	80.1	84.7	.198	42.17
8	87.6	85.2	8.958	51.13

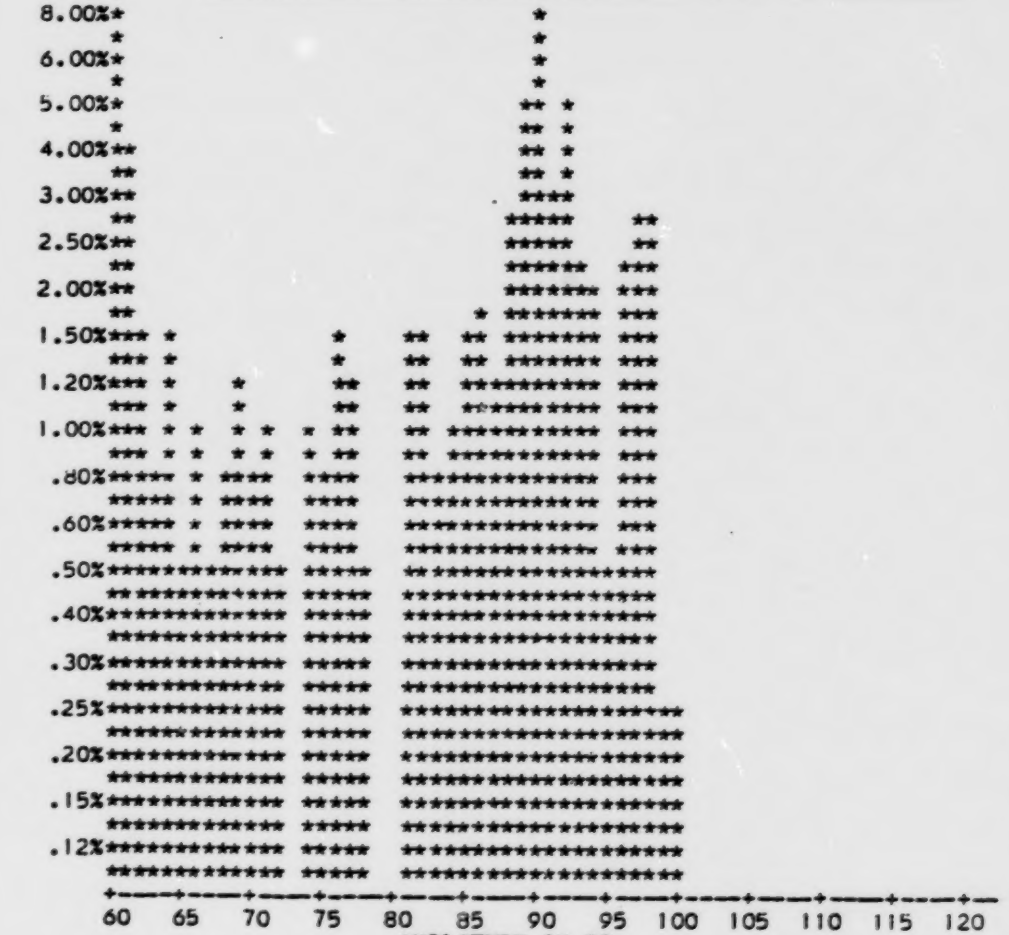
```
MIN. COMP. =  60 DB          MAX. COMP. = 100 DB
ARITHMETIC MEAN =  72 DB
STD. DEVIATION =  15 DB
VARIANCE =225 DB
```

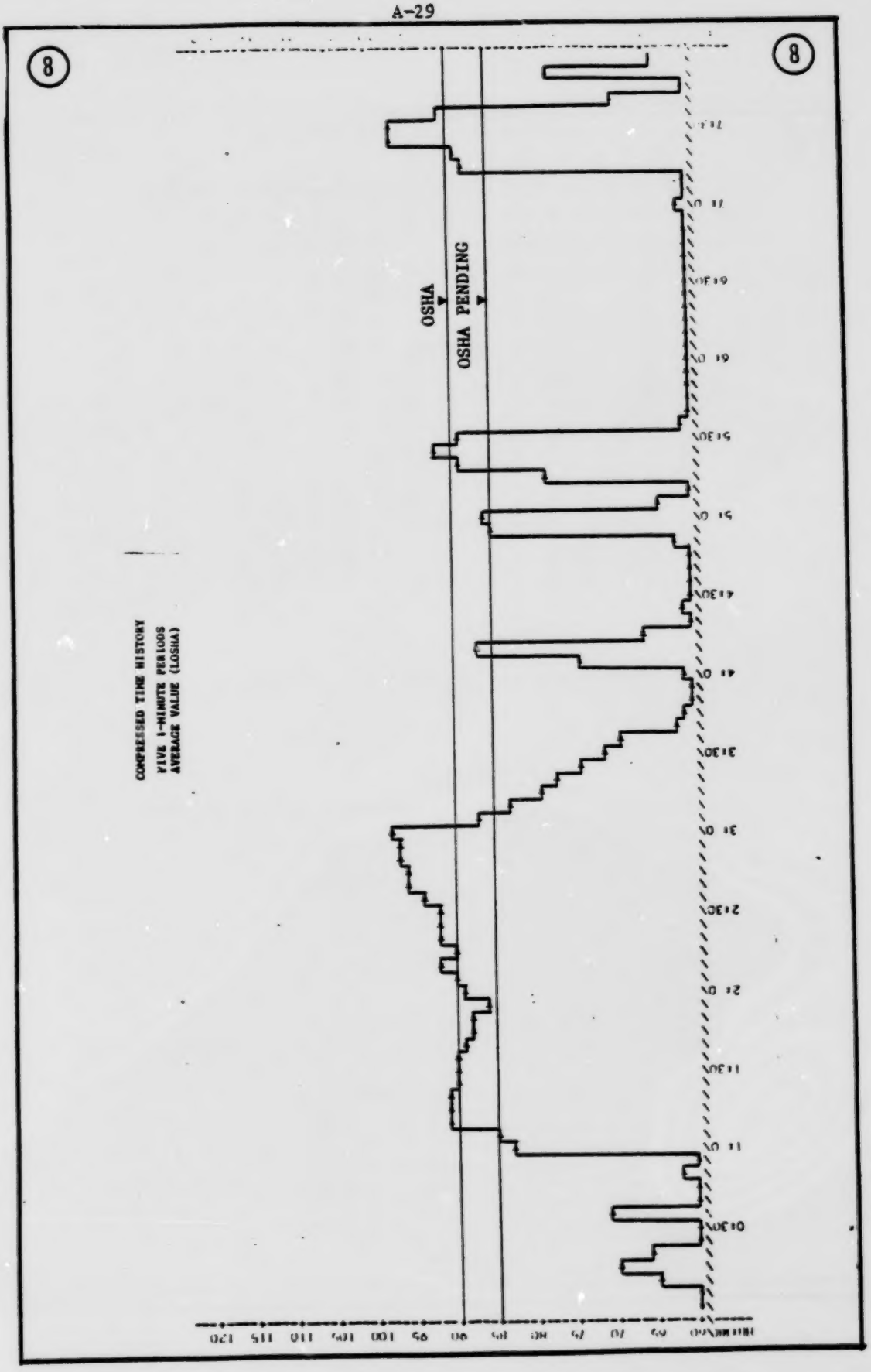
AMPLITUDE DISTRIBUTION

(8) (8)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
251	52.3	60 To 64
16	3.3	65 To 69
13	2.7	70 To 74
16	3.3	75 To 79
19	4.0	80 To 84
50	10.4	85 To 89
80	16.7	90 To 94
34	7.1	95 To 99
1	.2	100 To 104
0	0.0	105 To 109
0	0.0	110 To 114
0	0.0	115 To 119

TOTAL NO. OF DATA POINTS = 480




8
8
OSHA
OSHA PENDING
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
0:30
1:0
1:30
2:0
2:30
3:0
3:30
4:0
4:30
5:0
5:30
6:0
6:30
7:0
7:30
120
115
110
105
100
95
90
85
80
75
70
65
60

(9)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1212    60    64     4     1
     112     115200   480
  65  60  60  60  61  61  65  68  67  64  60  62  60  60  60  60
  60  60  60  60  60  60  61  63  61  70  77  63  62  72  62  62
  72  64  60  62  63  60  64  75  63  61  73  60  73  60  60  74
  67  60  62  60  60  60  60  67  64  60  62  71  62  65  81  68
  69  66  63  71  60  67  67  76  72  66  70  60  60  60  60  65
  62  62  61  60  60  60  61  66  66  60  60  60  63  67  70  66
  71  60  60  60  63  60  67  73  60  60  60  60  63  60  60  60
  60  60  60  60  60  60  60  60  60  77  83  82  84  84  86  73
  74  75  70  76  75  73  84  73  61  76  80  85  69  62  61  67
  72  72  71  71  72  60  82  77  66  62  63  60  60  60  60  60
  60  62  60  60  60  60  60  60  60  62  60  63  60  60  60  60
  60  60  60  61  60  61  60  60  70  60  65  62  60  60  60  60
  60  60  60  60  60  67  62  60  60  60  60  60  60  60  73  86
  91  89  94  95  94  94  87  73  70  72  84  78  64  76  80  91
  97  98  98  85  73  78  87  86  86  86  86  86  86  86  88  87
  87  87  87  92  97  97  97  98  99  97  98  74  60  60  73  84
  99  99 100  96  88  60  60  60  60  60  60  60  70  60  60  60
  60  60  60  60  60  60  74  97  99  99 101  99  99  99  99  95
  94  88  88  88  90  89  90  89  91  97 100 101 101 102  98  87
  87  87  87  88  96 101 100  99  99 100 101  85  92  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  64  79  64  67  60  69  71
  82  88  90  98  97  88  87  85  78  83  84  81  86  68  60  61
  61  73  83  83  83  83  82  82  82  84  84  82  83  82  84  82
  84  84  84  82  82  83  82  85  85  84  85  83  83  83  83  85
  82  89  94  67  72  64  60  76  94  92  90  95  96  80  80  77
  80  82  81  89  95  97  84  82  81  81  79  79  80  80  82  88
  82  85  86  75  78  80  87  78  79  81  82  81  83  97  97  95
  94  87  81  73  66  60  68  66  67  68  75  61  61  83  82  84
  84  83  84  83  83  82  83  82  81  84  85  85  84  84  84  84
=EOF


ENTER LOG DATE (DD/MM/YR) : 31/07/79
ENTER SITE CODE (5 CHARS) : SHAFT
ENTER USER CODE (4 CHARS) : 4805
 ENTER JOB CODE (3 CHARS) : 296


   DATA LOGGED :31 JULY 1979          DATA ANALYZED : 20 SEPT 1979
        LOGGER : DB-301/26                SITE CODE : SHAFT
 SERIAL NUMBER : 1212                      JOB CODE : 296
      BASELINE : 60 DB                    USER CODE : 4805
 DYNAMIC RANGE : 64 DB                     THRESHOLD :  80 DB
 SAMPLING RATE :  4/SEC              TOTAL SAMPLES =  115200
 TEST DURATION =   8: 0: 0            STANDBY TIME =   9: 0:28

          TIME HISTORY ANALYSIS

 NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
 ARE BASED ON THE FOLLOWING:
 100% DOSE = 90 DB / 8 HRS
 EXCHANGE (DOUBLING) RATE = 5 DB
 THRESHOLD (CUTOFF) LEVEL = 80 DB
   NUMBER OF COMPUTATIONS = 480
 PERIOD =  1 MINUTES

 TIME          LOSHA                    %DOSE
 HOUR    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
    1       65.3       65.3         .404         .40
    2       67.6       66.5         .558         .96
    3       73.5       69.6        1.262        2.22
    4       84.8       77.0        6.062        8.29
    5       92.8       83.9       18.495       26.78
    6       89.3       85.1       11.281       38.06
    7       84.5       85.0        5.808       43.87
    8       85.1       85.0        6.337       50.21
 MIN. COMP. =  60 DB              MAX. COMP. = 102 DB
 ARITHMETIC MEAN =  73 DB
 STD. DEVIATION =  13 DB
 VARIANCE =169 DB
```

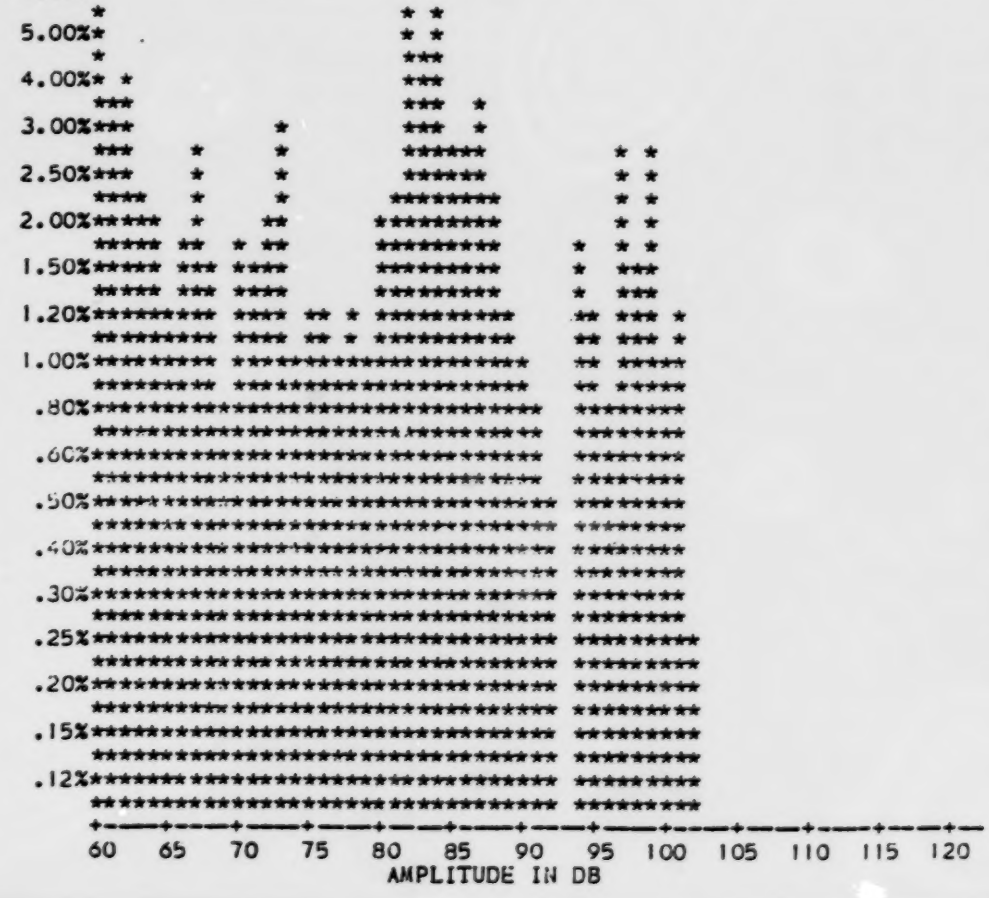
(9)

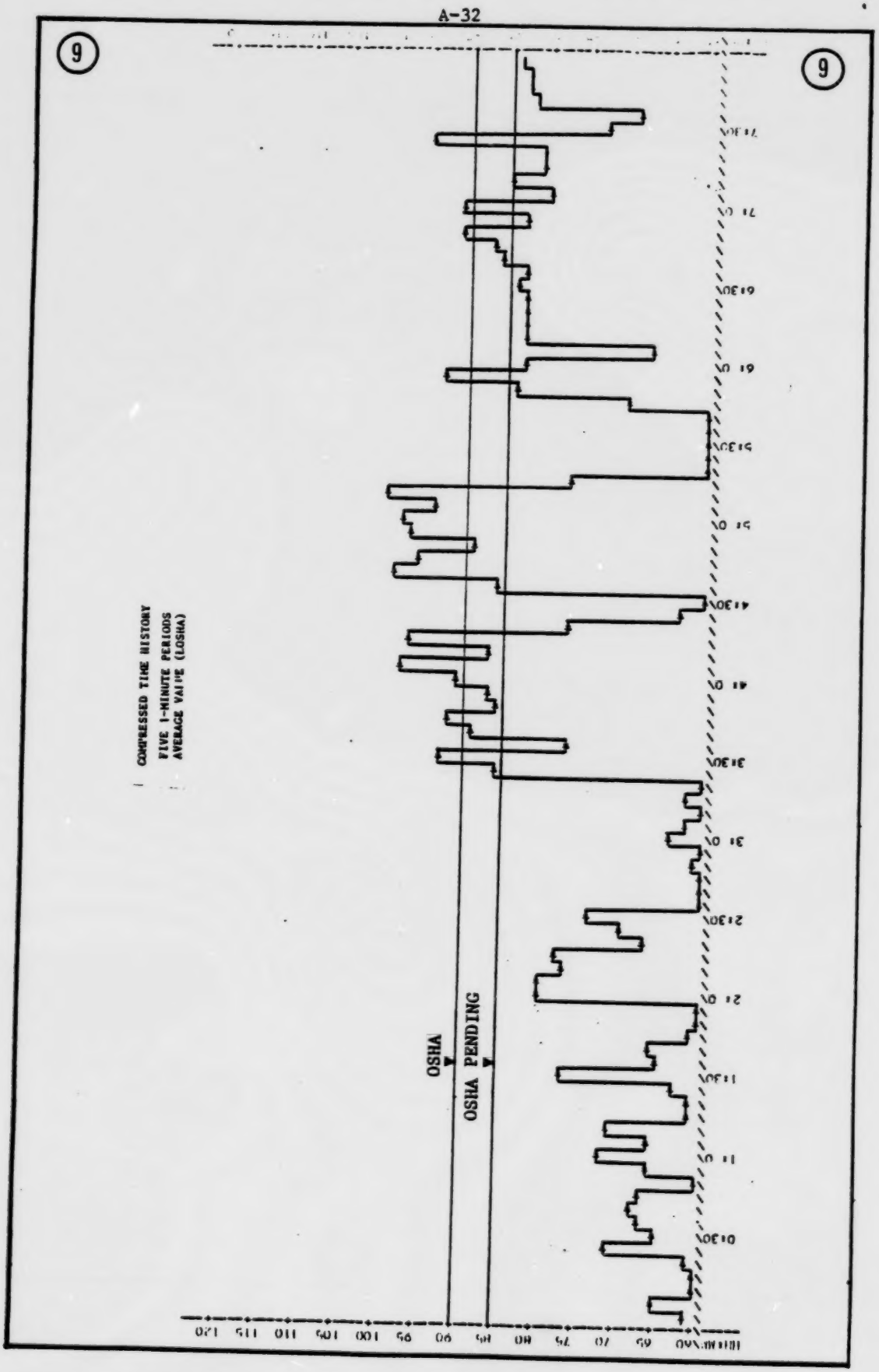
AMPLITUDE DISTRIBUTION

(9) (9)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
197	41.0	60 To 64
32	6.7	65 To 69
37	7.7	70 To 74
23	4.8	75 To 79
79	16.5	80 To 84
50	10.4	85 To 89
16	3.3	90 To 94
36	7.5	95 To 99
10	2.1	100 To 104
0	0.0	105 To 109
0	0.0	110 To 114
0	0.0	115 To 119

TOTAL NO. OF DATA POINTS = 480




9
9
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
dBA
55
60
65
70
75
80
85
90
95
100
105
110
115
120
0:30
1:00
1:30
2:00
2:30
3:00
3:30
4:00
4:30
5:00
5:30
6:00
6:30
7:00
7:30

(10)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1224    60    64     4     1
     42      115200   480
  60  67  64  61  61  71  60  60  60  60  60  60  60  62  60  60
  60  60  60  60  60  60  64  70  61  72  78  62  60  61  62  60
  63  66  60  60  64  60  64  60  60  62  67  60  60  60  65  64
  67  60  60  77  90  73  70  71  67  63  60  60  60  75  64  60
  60  60  60  63  80  79  66  63  60  64  66  60  61  61  65  83
  79  68  62  62  60  60  60  61  81  93  65  76  65  78  61  64
  60  64  83  95 100  98  96 100  96  83  67  74  71  66  71  68
  80  82  83  81  82  79  73  78  88  77  79  88  85  76  65  70
  64  67  70  66  61  71  64  67  73  74  75  75  64  62  70  76
  77  71  72  82  87  93  92  89  88  90  90  91  91  86  86  85
  87  90  85  81  80  75  77  74  83  88  90  92  92  91  91  91
  85  85  86  96  93  97  90  90  93  90  86  84  73  66  66  71
  70  75  70  73  90  95  90  81  87  98  90  90  86  90  94  93
  89  92  72  76  81  84  81  79  73  79  76  79  78  65  60  77
  79  75  78  69  68  70  64  70  71  76 102  72  66  67  81  81
  76  67  67  72  69  68  63  60  61  66  80  69  66  88  90 100
  80  71  65  75  72  74  60  60  60  60  69  81  76  64  72  60
  63  66  64  71  61  60  62  64  70  64  60  60  60  60  60  60
  60  60  61  69  60  60  60  60  72  61  60  60  60  60  60  60
  60  60  60  60  73  61  64  74  68  62  61  60  65  69  68  66
  85  76  61  64  60  61  60  63  71  68  84  94  93  91  87  90
  69  65  90  92  83  74  73  74  76  75  70  69  60  60  62  61
  60  61  63  60  71  65  60  63  67  81  68  60  62  60  74  61
  60  60  60  67  67  60  60  81  60  60  60  60  60  60  60  60
  65  80  79  60  60  60  60  60  70  60  60  62  62  60  60  60
  78  76  84  78  77  60  65  60  80  80  79  60  66  82  64  60
  60  60  61  66  62  72  82  76  83  83  83  78  76  70  80  77
  81  85  85  77  76  81  82  73  75  78  80  79  80  83  67  79
  69  82  72  83  72  67  65  60  60  63  73  72  76  91  81  81
  81  81  82  82  82  82  82  82  82  83  82  83  82  82  81  82
%EOF


ENTER LOG DATE (DD/MM/YR) : 31/07/79
ENTER SITE CODE (5 CHARS) : SHAFT
ENTER USER CODE (4 CHARS) : 4807
 ENTER JOB CODE (3 CHARS) : 296


   DATA LOGGED :31 JULY 1979
      LOGGER : DB-301/26
SERIAL NUMBER : 1224
      BASELINE : 60 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE :  4/SEC
TEST DURATION =   8: 0: 0

DATA ANALYZED : 20 SEPT 1979
    SITE CODE : SHAFT
     JOB CODE : 296
    USER CODE : 4807
    THRESHOLD :  80 DB
TOTAL SAMPLES = 115200
 STANDBY TIME =   0: 0:10

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          OSHA                    NOISE
HOUR     CURRENT  CUMULATIVE     CURRENT  CUMULATIVE
   1        68.0        68.0        .596         .60
   2        83.9        79.7       5.375        5.97
   3        85.2        82.0       6.402       12.37
   4        86.1        83.3       7.255       19.63
   5        75.8        82.3       1.749       21.38
   6        78.3        81.7       2.459       23.84
   7        71.0        80.9        .895       24.73
   8        79.9        80.8       3.093       27.83
MIN. COMP. =  60 DB              MAX. COMP. = 102 DB
ARITHMETIC MEAN =  71 DB
STD. DEVIATION =  11 DB
VARIANCE =121 DB
```

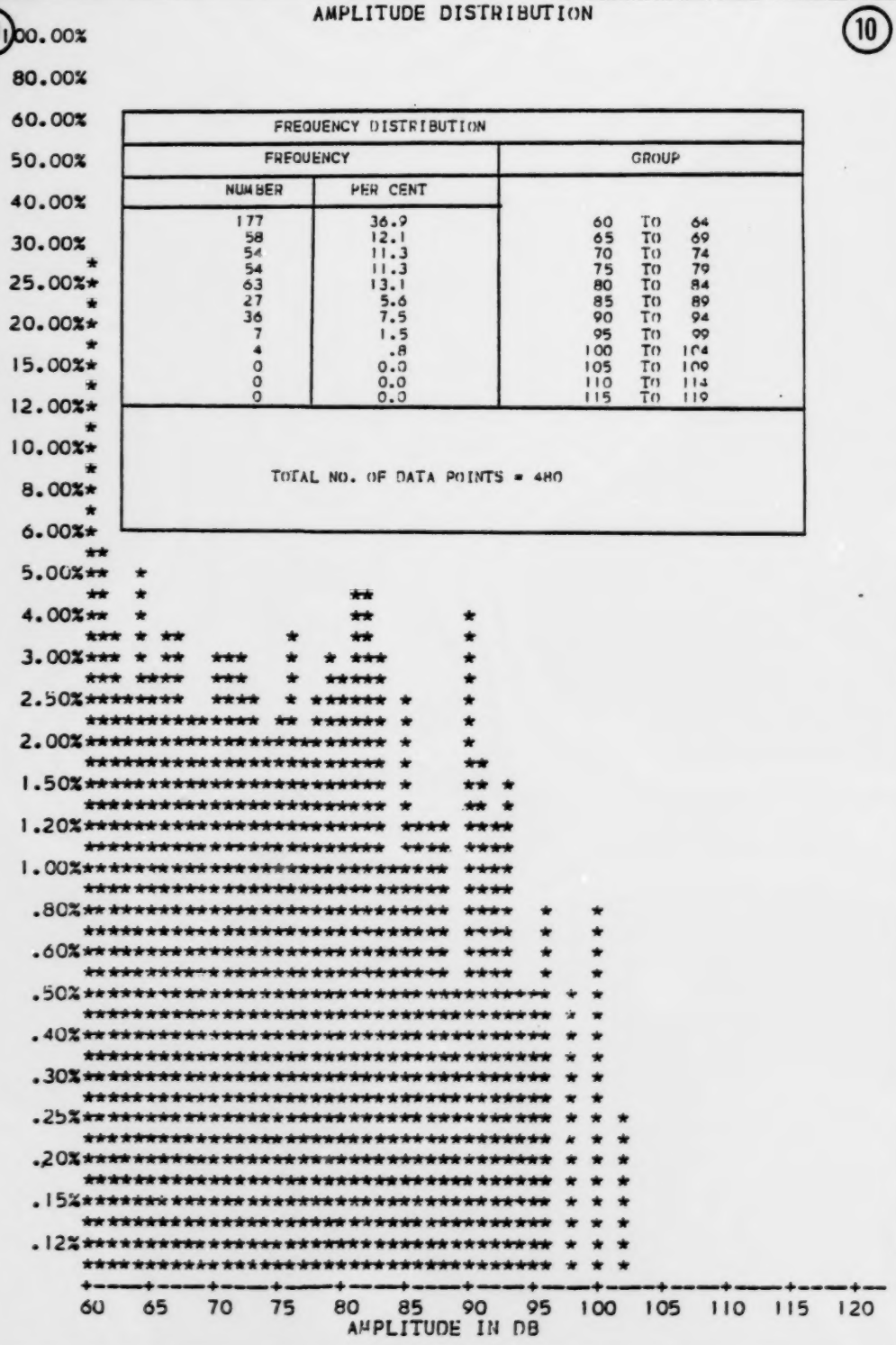
(10)

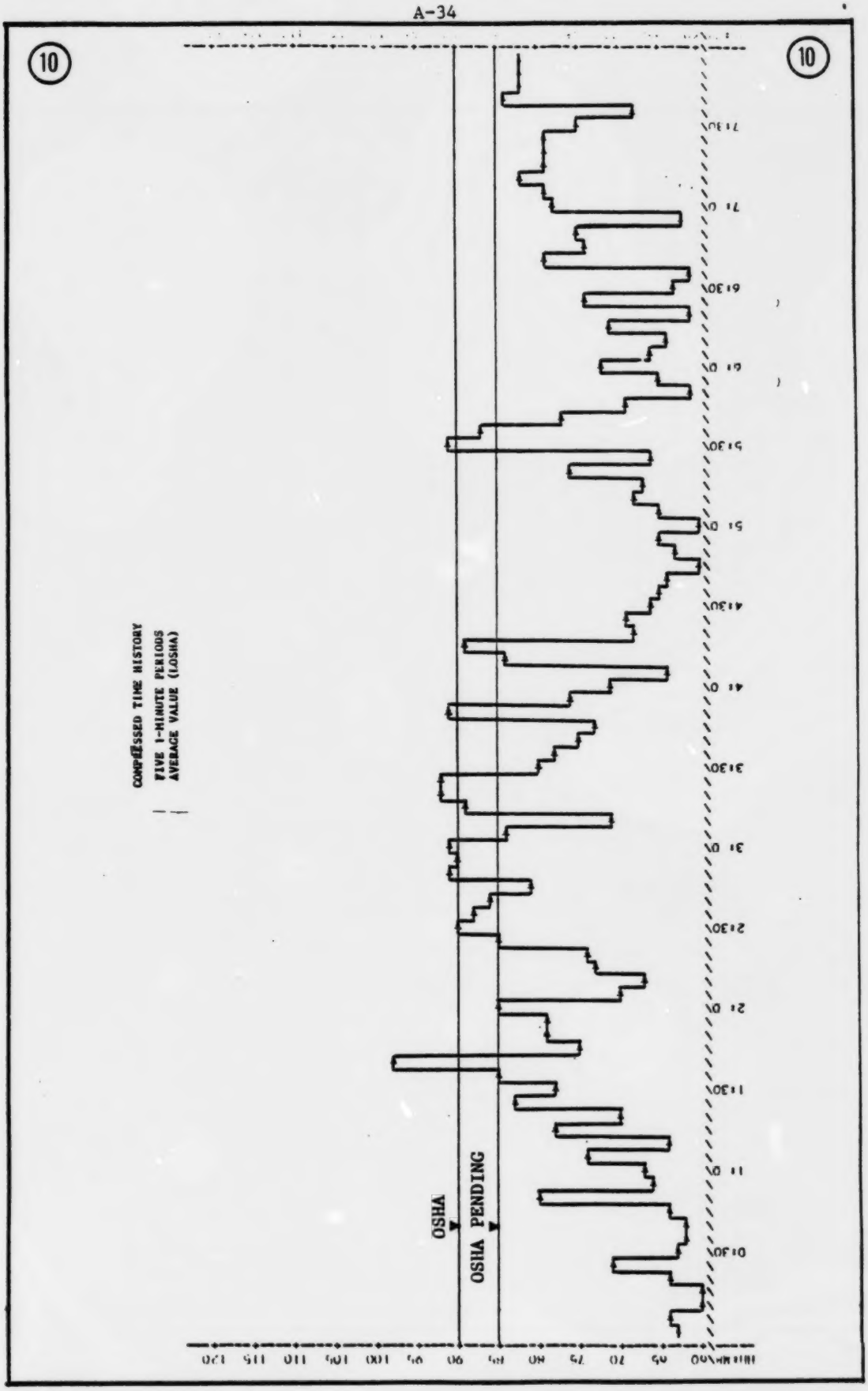
AMPLITUDE DISTRIBUTION

(10) (10)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
177	36.9	60 TO 64
58	12.1	65 TO 69
54	11.3	70 TO 74
54	11.3	75 TO 79
63	13.1	80 TO 84
27	5.6	85 TO 89
36	7.5	90 TO 94
7	1.5	95 TO 99
4	.8	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480

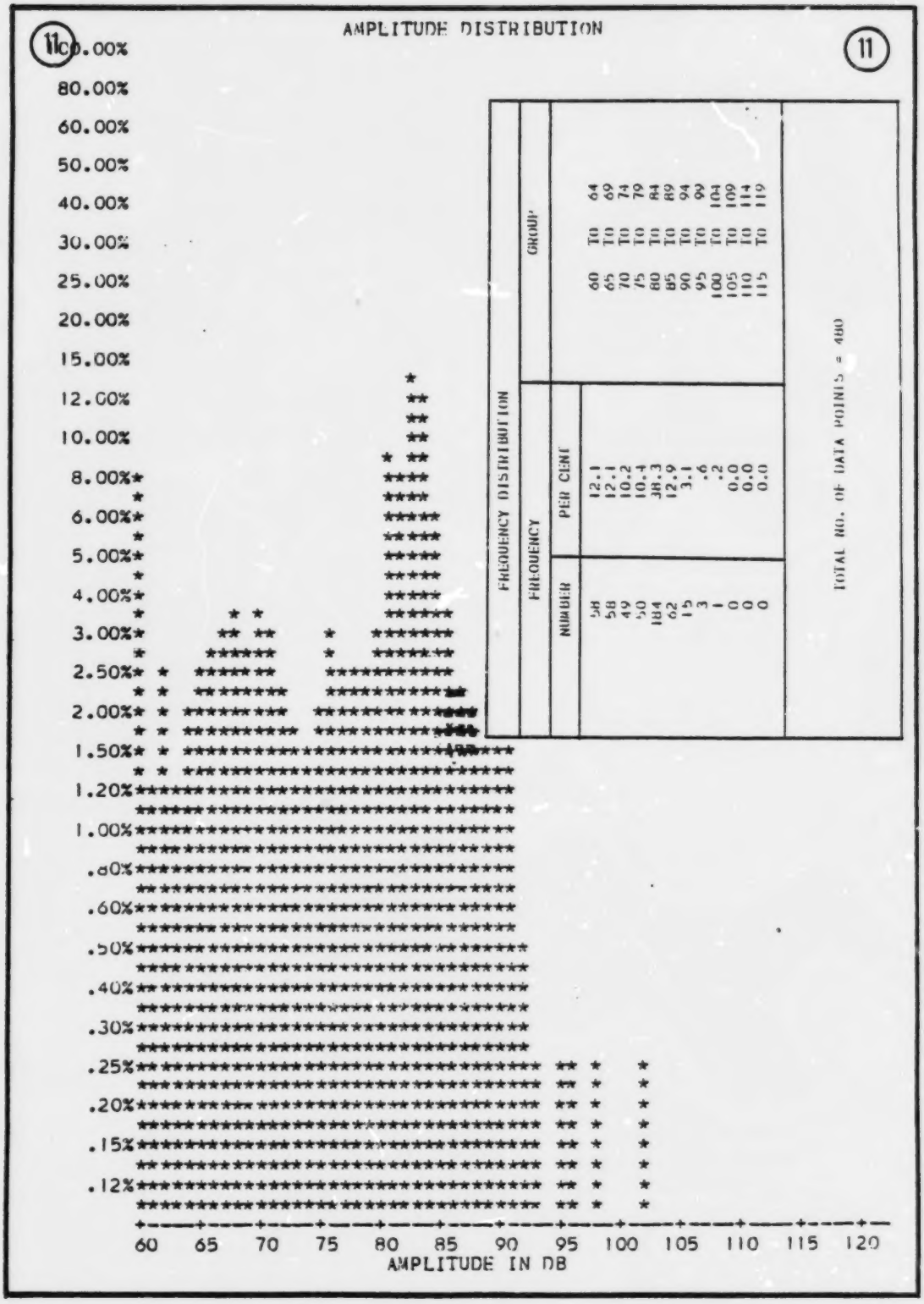


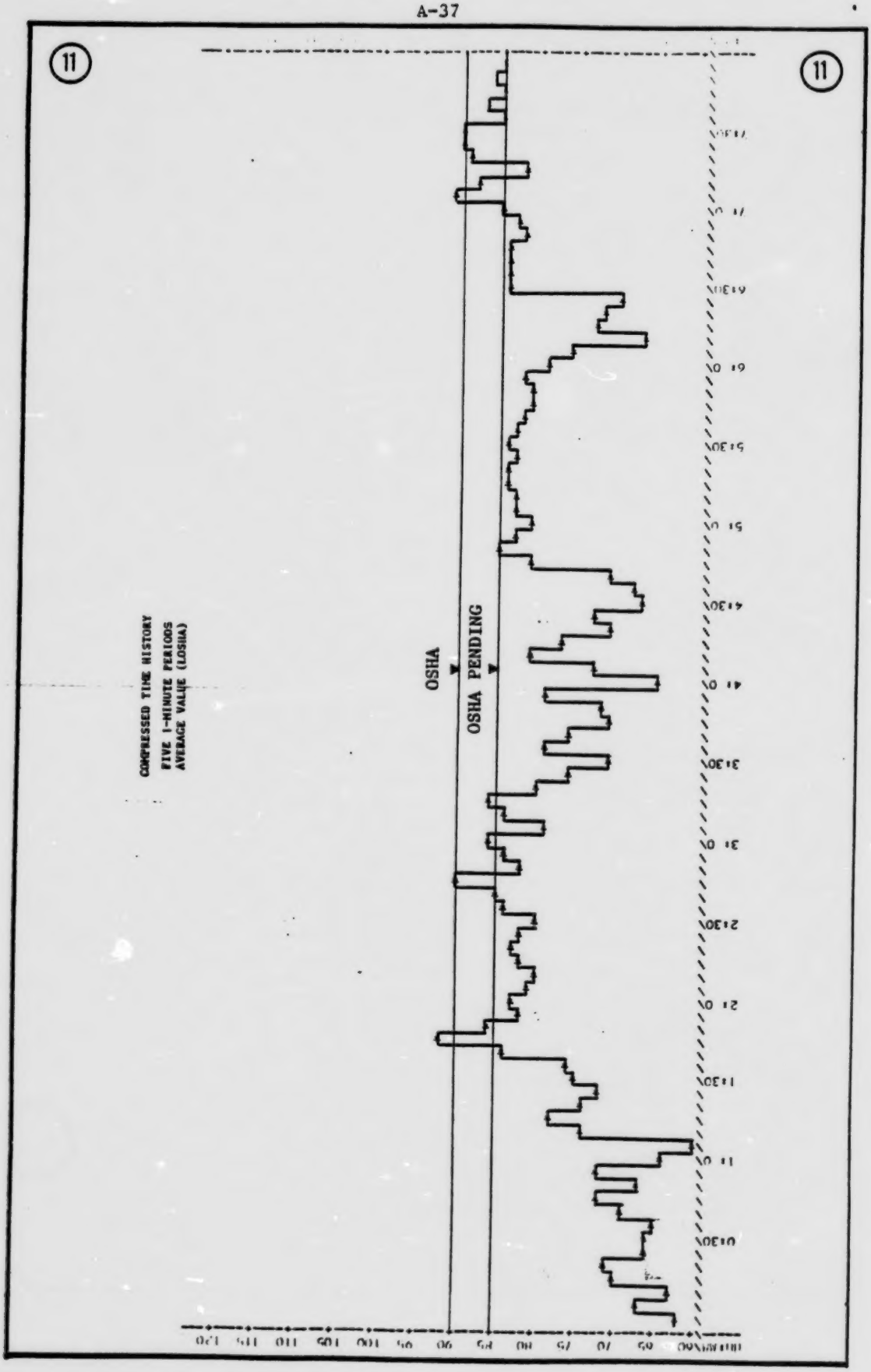

10
10
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0:30
1:0
1:30
2:0
2:30
3:0
3:30
4:0
4:30
5:0
5:30
6:0
6:30
7:0
7:30

(11)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1216    60    64     4     1
     101      115200   480
  65  60  60  60  64  66  68  69  65  67  61  62  62  65  63  69
  66  66  75  71  73  72  70  68  70  64  70  66  62  64  68  68
  65  65  60  62  68  60  65  67  70  67  71  72  61  68  81  62
  66  62  70  60  63  69  68  76  73  72  68  64  71  60  60  60
  60  60  60  60  60  60  60  67  75  78  78  70  75  83  83  70
  70  80  75  70  66  62  68  75  65  79  69  60  77  79  78  69
  64  62  81  83  82  81  85  85  84  82 102  85  64  83  85  85
  82  91  84  82  83  81  82  83  84  88  80  79  78  80  81  82
  81  83  81  82  81  81  75  75  82  81  83  84  82  83  81  84
  83  86  76  73  83  85  81  81  79  77  83  84  64  85  84  84
  84  84  84  87  84  84  96  91  84  83  77  69  92  77  67  67
  67  83  89  78  91  84  83  84  85  80  75  78  78  83  83  72
  82  85  90  86  89  85  78  86  86  81  64  74  79  78  71  76
  71  81  67  62  74  76  69  67  74  87  79  71  60  71  81  68
  80  77  63  72  68  68  64  72  69  76  72  74  83  79  81  66
  60  60  66  67  67  61  60  74  82  60  60  70  82  88  80  83
  71  72  77  75  61  64  71  68  79  73  80  61  60  72  73  65
  60  69  60  65  63  76  66  60  62  60  70  77  71  76  81  81
  83  84  84  88  85  84  84  83  85  83  83  76  82  73  82  83
  83  84  83  83  83  83  84  84  83  83  83  83  83  84  84  85  85
  84  84  84  84  84  83  83  83  83  83  83  83  84  83  84  84  84
  85  82  82  83  82  82  81  82  81  81  81  81  81  81  81  80
  81  81  81  82  81  81  82  83  71  79  81  80  80  82  77  76
  70  66  71  66  63  67  67  70  76  73  68  74  76  69  77  60
  70  65  70  60  69  77  83  83  83  84  85  85  86  83  83  83
  85  83  84  83  84  81  83  82  84  87  83  82  82  81  81  84
  84  81  82  85  86  85  76  82  89  84  87  98  88  87  87  91
  92  82  83  80  82  83  84  82  80  90  84  85  95  93  85  90
  91  90  90  89  91  90  89  89  84  84  83  85  88  86  86  88
  86  79  84  88  86  86  86  86  86  86  86  85  87  87  86  82  80
%EOF


ENTER LOG DATE (DD/MM/YR) : 31/07/79
ENTER SITE CODE (5 CHARS) : SHAFT
ENTER USER CODE (4 CHARS) : 4663
 ENTER JOB CODE (3 CHARS) : 296


   DATA LOGGED :31 JULY 1979          DATA ANALYZED : 20 SEPT 1979
       LOGGER : DB-301/26                 SITE CODE : SHAFT
SERIAL NUMBER : 1216                       JOB CODE : 296
     BASELINE : 60 DB                     USER CODE : 4663
DYNAMIC RANGE : 64 DB                     THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC            TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0          STANDBY TIME =   0: 0:25

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                    DOSE
HOUR     CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1        68.1        68.1         .602         .60
   2        81.2        77.3        3.700        4.30
   3        83.5        80.0        5.079        9.38
   4        80.1        80.0        3.150       12.53
   5        77.4        79.6        2.165       14.70
   6        82.7        80.2        4.550       19.25
   7        80.2        80.2        3.199       22.45
   8        87.3        81.6        8.636       31.09
MIN. COMP. =  60 DB              MAX. COMP. = 102 DB
ARITHMETIC MEAN =  77 DB
STD. DEVIATION =   9 DB
VARIANCE = 81 DB
```

(11)


AMPLITUDE DISTRIBUTION
11c
11
FREQUENCY DISTRIBUTION
GROUP
FREQUENCY
NUMBER
PER CENT
60 TO 64 58 12.1
65 TO 69 58 12.1
70 TO 74 49 10.2
75 TO 79 50 10.4
80 TO 84 184 38.3
85 TO 89 62 12.9
90 TO 94 15 3.1
95 TO 99 3 .6
100 TO 104 1 .2
105 TO 109 0 0.0
110 TO 114 0 0.0
115 TO 119 0 0.0
TOTAL NO. OF DATA POINTS = 480
80.00%
60.00%
50.00%
40.00%
30.00%
25.00%
20.00%
15.00%
12.00%
10.00%
8.00%
6.00%
5.00%
4.00%
3.00%
2.50%
2.00%
1.50%
1.20%
1.00%
.80%
.60%
.50%
.40%
.30%
.25%
.20%
.15%
.12%
60 65 70 75 80 85 90 95 100 105 110 115 120
AMPLITUDE IN DB


11
11
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0:30
1:00
1:30
2:00
2:30
3:00
3:30
4:00
4:30
5:00
5:30
6:00
6:30
7:00
7:30
65
70
75
80
85
90
95
100
105
110
115
120

(12) (12)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1225   60   64    4    1
     143     115200  480
  60  60  68  63  60  61  60  60  60  60  60  60  60  60  61  62
  61  60  61  60  62  60  60  67  73  62  67  79  72  75  68  62
  62  68  69  62  60  60  62  61  61  61  60  61  60  60  60  60
  70  65  61  60  76  89  65  72  68  62  61  60  60  60  69  60
  60  60  60  60  70  73  67  61  63  60  68  71  74  73  66  67
  60  60  61  65  69  69  60  62  66  85  90  67  81  86  70  71
  72  60  67  91  98 103  96 100 103  92  81  75  76  73  72  72
  81  89  84  88  84  88  60  76  86  85  78  89  88  86  75  68
  71  69  73  73  78  69  86  70  71  67  70  72  70  74  62  78
  71  77  76  82  83  92  91  92  93  92  94  93  94  92  84  83
  82  83  90  80  81  78  77  73  77  83  90  90  94  95  92  93
  90  83  86  86  96  88  92  90  88  94  91  86  80  61  69  69
  60  78  63  79  62  93  93  90  86  89  95  89  93  85  90  94
  92  95  91  75  78  78  75  76  76  67  62  71  69  70  60  60
  77  71  76  73  68  61  60  68  60  69  74  92  68  80  83  71
  79  71  73  75  62  73  75  68  69  75  62  68  65  71  90  93
  99  71  67  68  71  72  67  60  60  60  60  60  60  60  60  61
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  73  60  60  60  60  60  60
  60  60  60  60  61  62  60  60  60  60  60  60  60  68  64  67
  77  87  68  62  63  67  60  69  64  68  74  82  88  89  91  90
  88  82  77  87  82  78  68  66  63  69  64  71  62  61  60  60
  60  60  60  60  67  63  60  60  60  60  60  60  60  64  60  66
  60  60  60  60  67  60  60  60  72  60  60  60  60  60  60  60
  60  62  64  68  60  60  60  60  61  60  60  60  60  60  60  60
  64  68  65  75  60  65  60  60  60  74  60  60  60  63  62  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  62  60
  60  60  60  60  60  60  60  60  64  62  62  60  60  60  63  63
  60  60  65  60  60  60  60  60  60  60  60  60  60  60  60  60
%EOF


ENTER LOG DATE (DD/MM/YR) : 31/07/79
ENTER SITE CODE (5 CHARS) : SHAF1
ENTER USER CODE (4 CHARS) : 4806
 ENTER JOB CODE (3 CHARS) : 296


   DATA LOGGED :31 JULY 1979          DATA ANALYZED : 20 SEPT 1979
        LOGGER : DB-301/26                  SITE CODE : SHAF1
SERIAL NUMBER : 1225                         JOB CODE : 296
      BASELINE : 60 DB                       USER CODE : 4806
DYNAMIC RANGE : 64 DB                       THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC                  TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0                STANDBY TIME =   0: 0:35

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

TIME	LOSHA		%DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	67.9	67.9	.586	.59
2	85.8	81.4	6.983	7.57
3	86.0	83.3	7.221	14.79
4	85.5	83.9	6.679	21.47
5	75.6	82.8	1.700	23.17
6	76.0	82.1	1.797	24.97
7	62.9	81.0	.292	25.26
8	60.4	80.1	.207	25.47

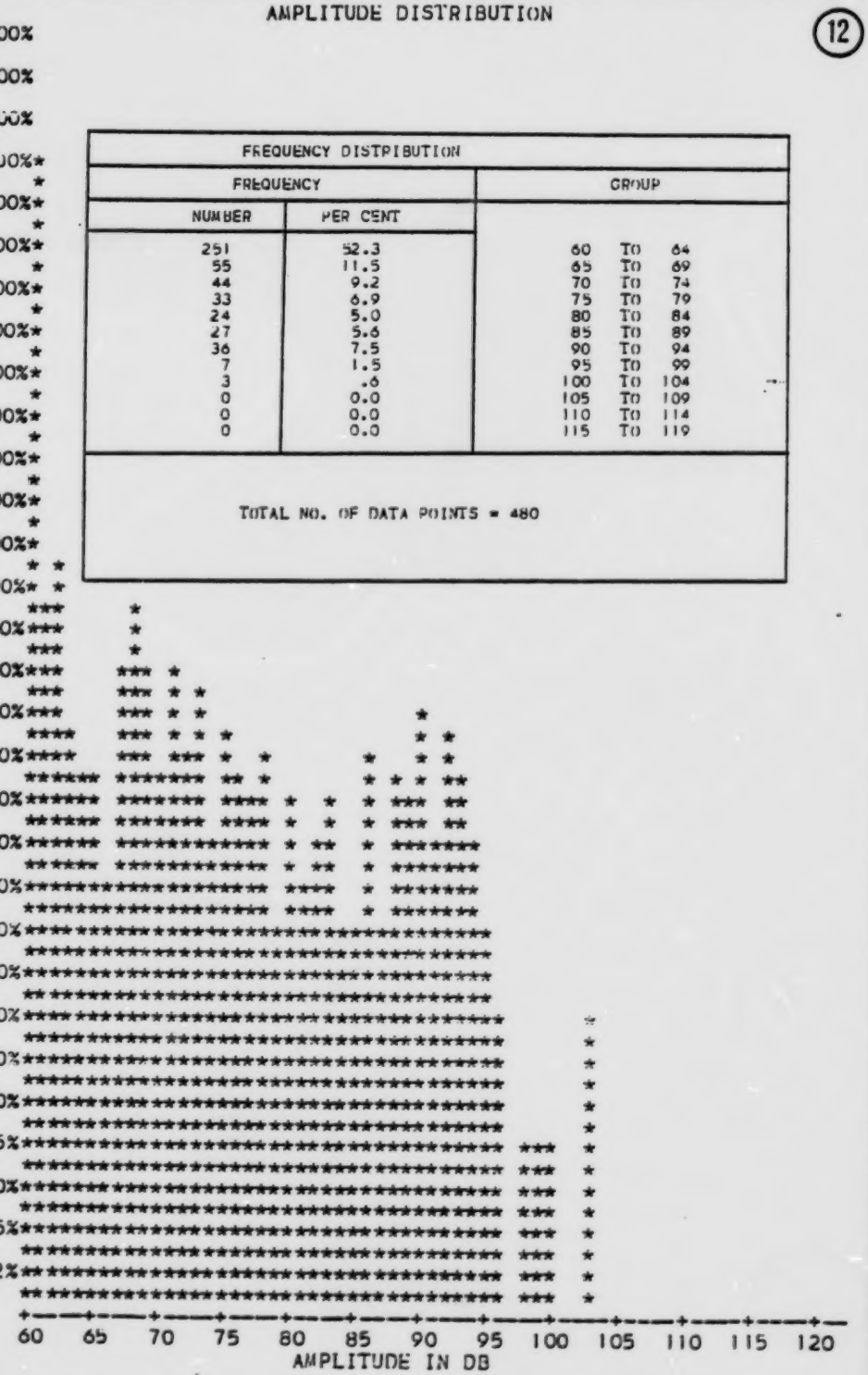
```
MIN. COMP. =  60 DB          MAX. COMP. = 103 DB
ARITHMETIC MEAN =  69 DB
STD. DEVIATION =  11 DB
VARIANCE -121 DB
```

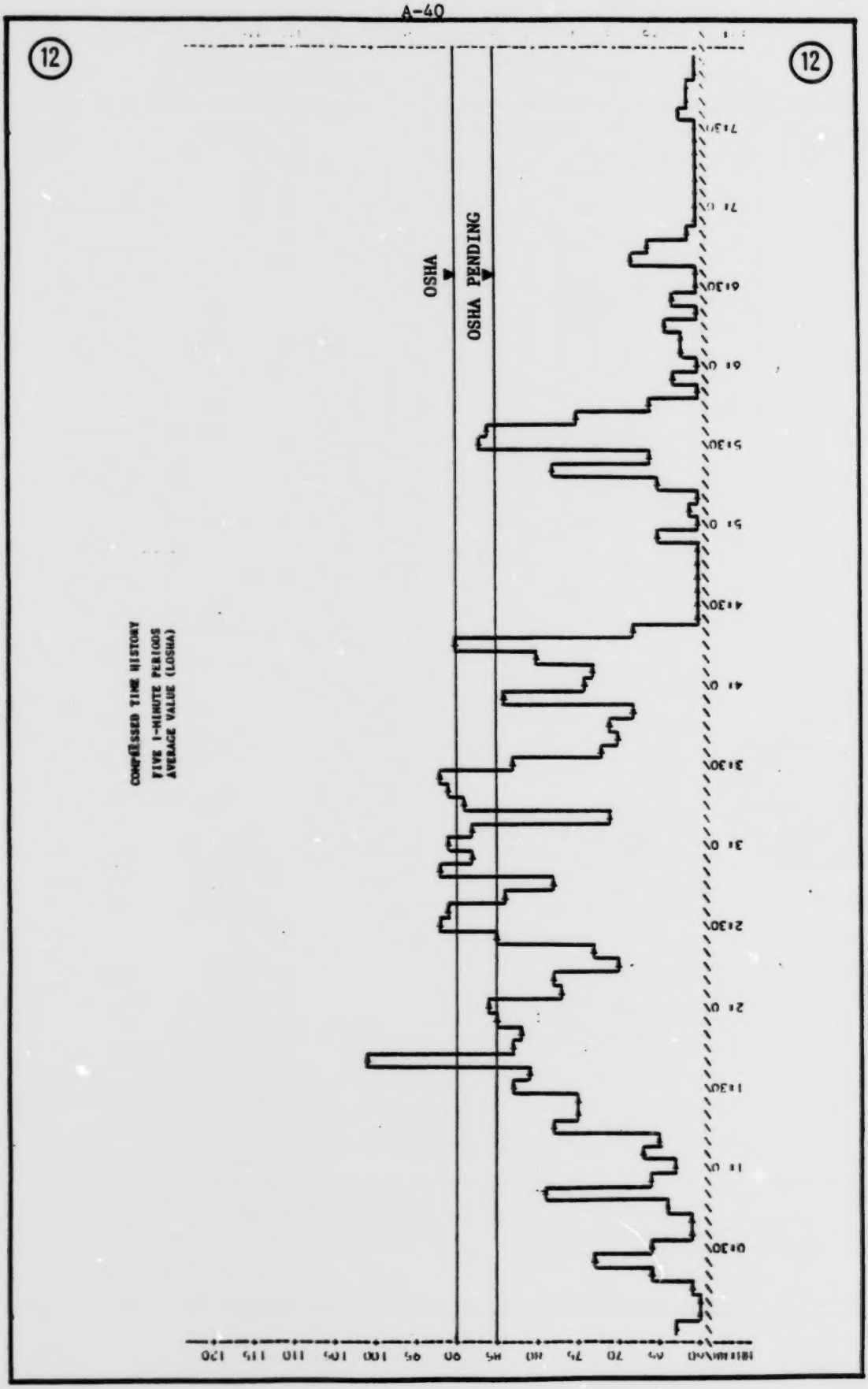
AMPLITUDE DISTRIBUTION

(12) (12)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
251	52.3	60 TO 64
55	11.5	65 TO 69
44	9.2	70 TO 74
33	6.9	75 TO 79
24	5.0	80 TO 84
27	5.6	85 TO 89
36	7.5	90 TO 94
7	1.5	95 TO 99
3	.6	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




12
12
OSHA
OSHA PENDING
CONFESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
7:30
7:0
6:30
6:0
5:30
5:0
4:30
4:0
3:30
3:0
2:30
2:0
1:30
1:0
0:30
120
115
110
105
100
95
90
85
80
75
70
65

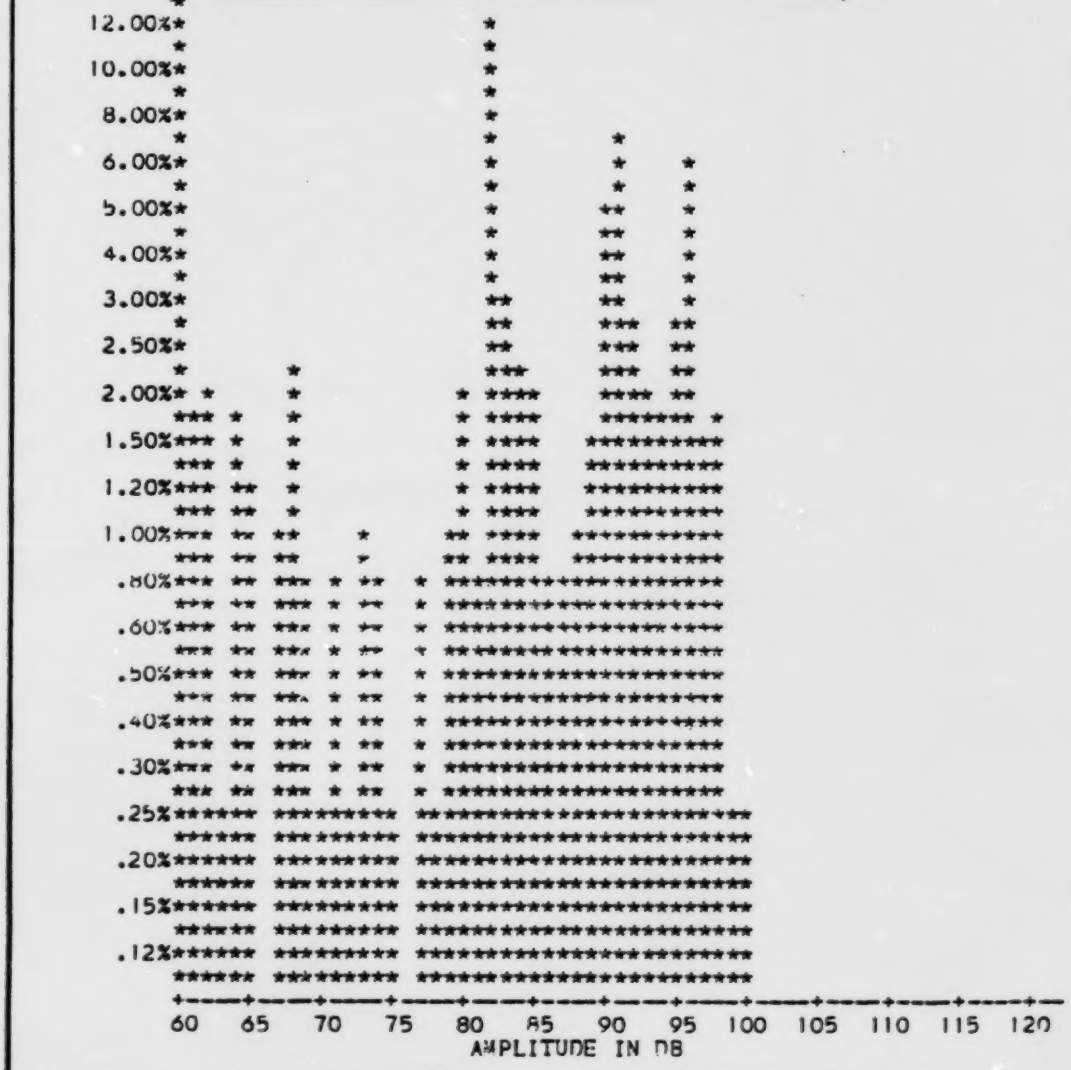
13

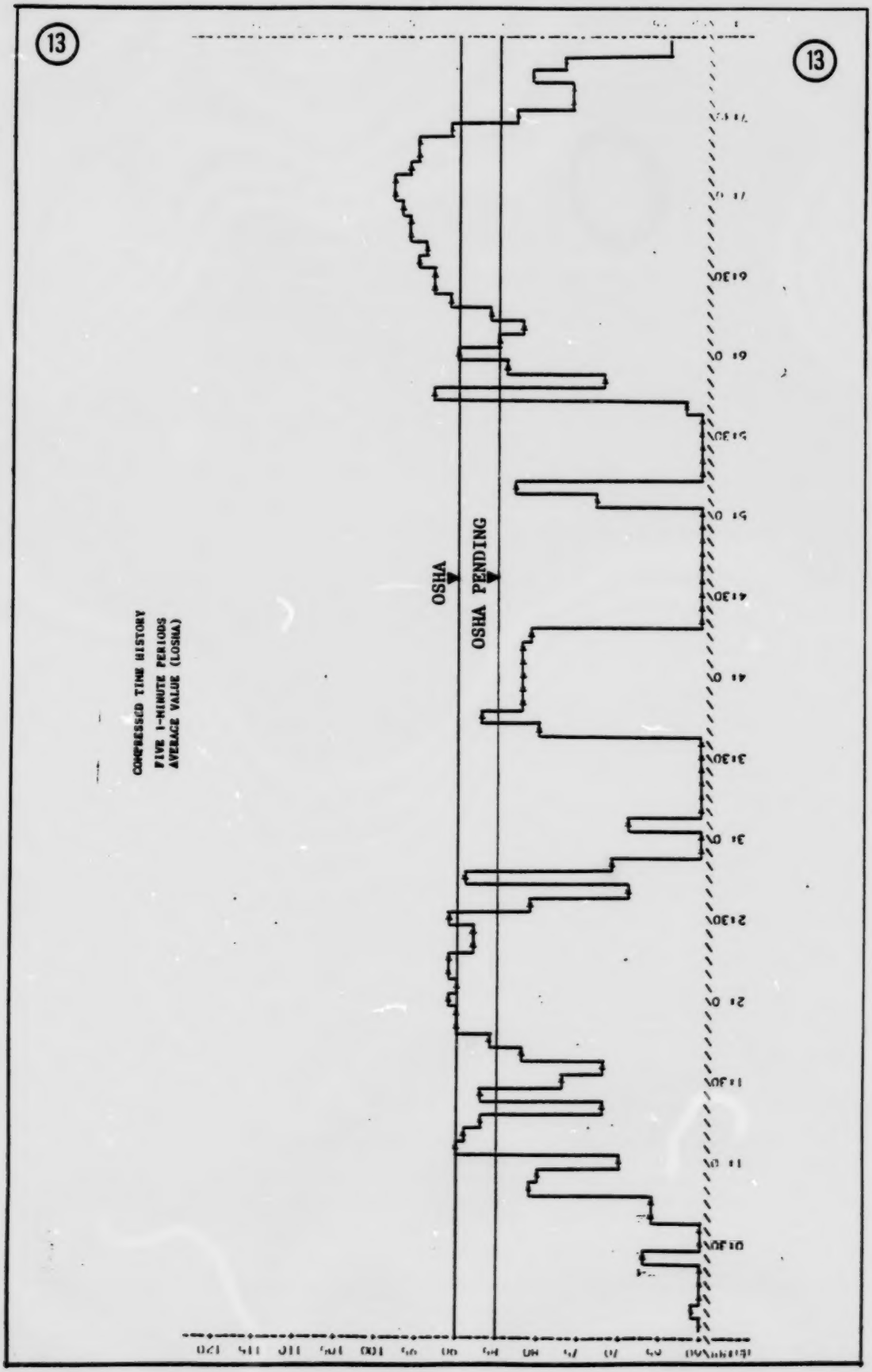
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1216   60   64    4    1
   13203    115200  480
  60  60  61  60  60  60  60  60  60  64  60  60  60  60  60  60
  61  60  60  60  60  60  60  60  60  60  73  60  71  62  60  60
  60  60  60  60  60  60  60  60  62  60  64  72  65  67  68  60
  65  67  65  63  85  87  77  62  67  80  90  64  62  73  68  68
  73  82  88  96  89  88  97  86  85  83  83  88  84  89  86  89
  80  74  60  60  60  70  77  90  95  62  82  80  74  68  68  79
  74  62  61  71  83  82  83  82  80  82  82  80  91  90  90  90
  90  90  90  90  90  90  90  90  90  91  91  91  90  90  90  90
  91  91  91  90  91  92  91  91  91  91  91  91  91  91  91  84
  73  91  91  85  60  88  91  91  91  92  91  91  78  60  60  60
  60  60  60  60  79  94  91  92  82  60  60  68  81  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  79  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  80
  90  91  91  85  82  82  82  82  82  82  82  82  82  82  82  81
  82  82  82  82  82  82  82  82  82  82  82  82  82  81  82  82
  82  82  83  67  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  61
  60  69  60  60  65  83  84  83  83  84  80  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  61  60  60  60  60  60
  60  60  60  60  64  60  64  60  60  77  94  95  95  93  82  68
  61  60  60  82  84  85  84  83  83  83  84  93  96  89  84  83
  82  82  82  82  82  82  82  82  82  82  85  93  95  96  87  84
  87  91  92  91  93  95  95  93  92  92  93  94  95  94  96  97
  94  96  95  92  94  95  96  96  96  96  96  96  96  96  95  96
  97  97  98  97  97  98  98  98  98  98  98 100  99  96  96  96
  96  96  96  93  93  96  96  96  96  95  96  96  94  92  92  89
  90  89  60  60  60  85  92  86  60  62  68  60  69  65  71  82
  79  62  60  69  75  92  85  80  60  60  60  61  64  68  60  64
*EOF


ENTER LOG DATE (DD/MM/YR) : 17/08/79
ENTER SITE CODE (5 CHARS) : 1SHAF
ENTER USER CODE (4 CHARS) : 4805
 ENTER JOB CODE (3 CHARS) : 296


   DATA LOGGED :17  AUG 1979          DATA ANALYZED : 25 SEPT 1979
        LOGGER : DB-301/26                 SITE CODE : 1SHAF
SERIAL NUMBER : 1216                        JOB CODE : 296
      BASELINE : 60 DB                      USER CODE : 4805
DYNAMIC RANGE : 64 DB                      THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC                 TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0               STANDBY TIME =   0:55: 0

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES


TIME          LOSHA                      3DOSE
HOUR    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1      70.2      70.2          .803       .80
   2      85.7      81.5         6.854      7.66
   3      87.5      84.1         8.832     16.49
   4      76.2      82.8         1.841     18.33
   5      74.4      81.7         1.446     19.78
   6      78.9      81.3         2.683     22.46
   7      92.8      84.5        18.334     40.79
   8      91.5      85.8        15.363     56.16
MIN. COMP. =  60 DB            MAX. COMP. = 100 DB
ARITHMETIC MEAN =  75 DB
STD. DEVIATION =  14 DB
VARIANCE =195 DB
```

FREQUENCY DISTRIBUTION

FREQUENCY		GROUP
NUMBER	PER CENT	
206	42.9	60 TO 64
21	4.4	65 TO 69
12	2.5	70 TO 74
9	1.9	75 TO 79
80	16.7	80 TO 84
24	5.0	85 TO 89
76	15.8	90 TO 94
51	10.6	95 TO 99
1	.2	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




13
13
OSHA
OSHA PENDING
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)

(14)

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

(14)

```
 1  26  80  1221    60    64     4     1
     19      115200   480
 62  60  60  67  66  66  61  60  71  73  73  64  63  64  72  63
 71  70  63  65  77  64  60  60  60  60  60  60  60  62  61
 60  60  60  66  60  61  65  73  61  73  83  79  88  96  84  84
 85  86  86  86  86  90  86  83  84  83  84  85  85  85  86  85
 85  86  84  83  85  84  85  84  83  84  84  85  84  95  87  90
 89  87  88  89  87  85  86  84  84  85  85  85  84  85  86  87
 87  86  87  85  86  86  87  86  85  85  86  87  87  85  85  86
 87  86  85  84  86  85  86  88  89  85  86  87  86  85  87  86
 86  86  85  85  86  84  84  85  84  85  85  84  85  83  86  85
 85  84  85  87  85  87  97  84  82  89  82  72  61  71  67  61
 60  60  67  60  60  60  60  60  60  64  60  60  60  60  60  60
 60  60  60  60  75  77  77  60  75  65  76  79  61  79  78  82
 78  80  80  83  82  78  81  89  91  81  90  82  83  91  95  91
 87  86  86  87  89  87  87  88  88  87  88  87  91  86  88  87
 86  86  86  87  87  86  85  85  86  89  97  77  81  68  64  60
 60  60  60  61  60  66  67  60  60  60  60  60  64  65  60  60
 60  61  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  61  61  62  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  62  60
 69  60  69  81  97  85  83  83  84  84  85  84  86  85  86  88
 85  84  86  85  86  85  86  84  85  84  84  85  85  84  84  85
 86  85  84  84  91  93  93  94  93  91  85  85  84  85  85  84
 84  85  86  86  92  91  93  90  93  92  94  94  94  94  94  93
 93  93  94  94  93  94  91  88  86  89  88  88  89  87  87  87
 89  88  87  88  86  87  86  89  87  87  87  88  86  85  85  85
 89  90  89  87  87  90  88  88  88  87  87  87  87  86  87  87
 85  83  83  82  83  83  83  84  84  85  84  86  85  86  85  86
 85  86  86  86  91  85  86  88  91  90  86  86  86  87  86  86
 86  86  97  84  71  65  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  61  61  61  60  60  60  61  60  60  60  60  60
%EOF
```

```
ENTER LOG DATE (DD/MM/YR) : 25/07/79
ENTER SITE CODE (5 CHARS) : 2SSYA
ENTER USER CODE (4 CHARS) : 4800
 ENTER JOB CODE (3 CHARS) : MLA
```

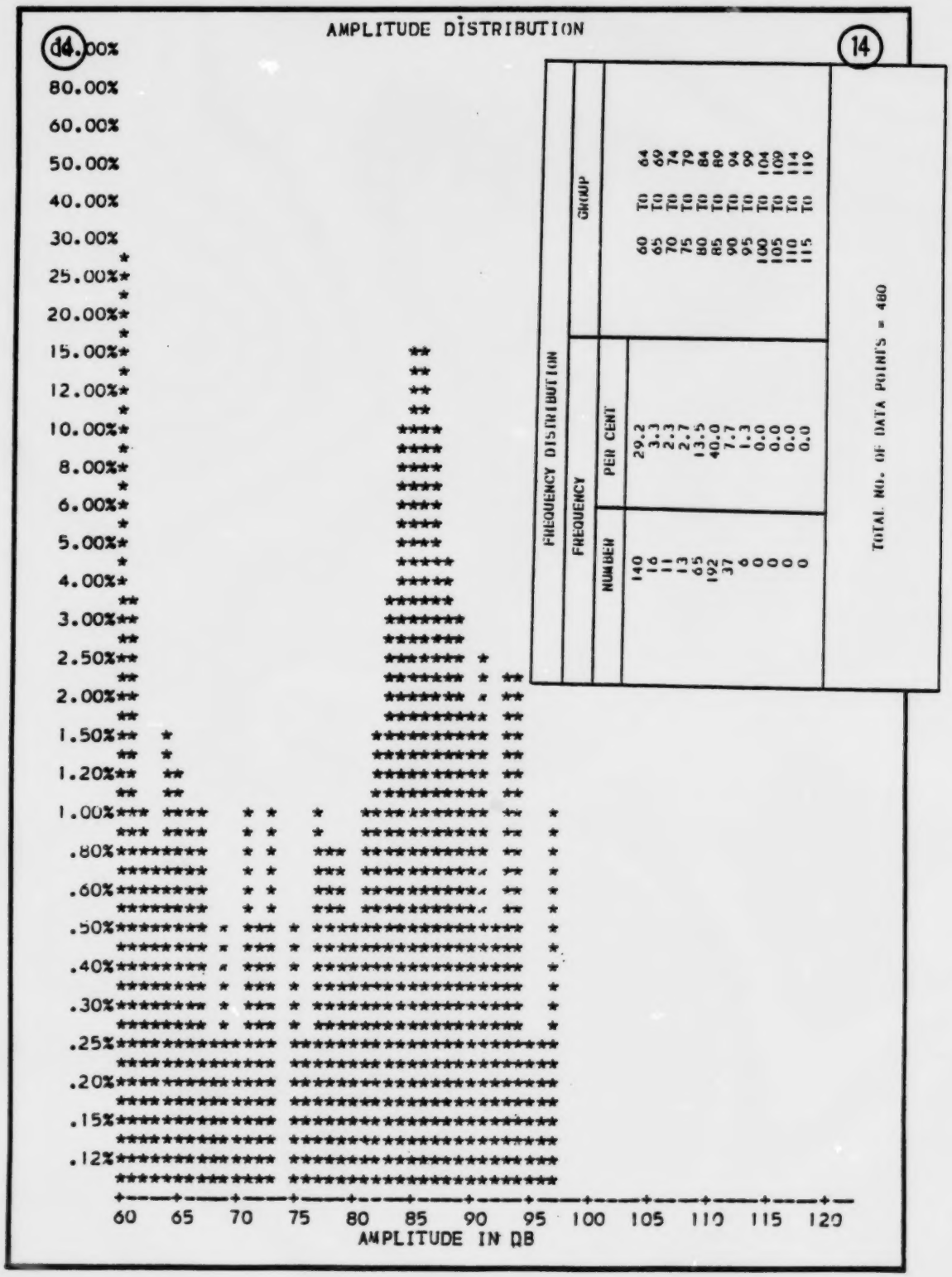
```
   DATA LOGGED :25 JULY 1979          DATA ANALYZED : 19 SEPT 1979
      LOGGER : DB-301/26                 SITE CODE : 2SSYA
SERIAL NUMBER : 1221                      JOB CODE : MLA
    BASELINE : 60 DB                    USER CODE : 4800
DYNAMIC RANGE : 64 DB                   THRESHOLD :  80 DB
SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0              STANDBY TIME =   0: 0: 4
```

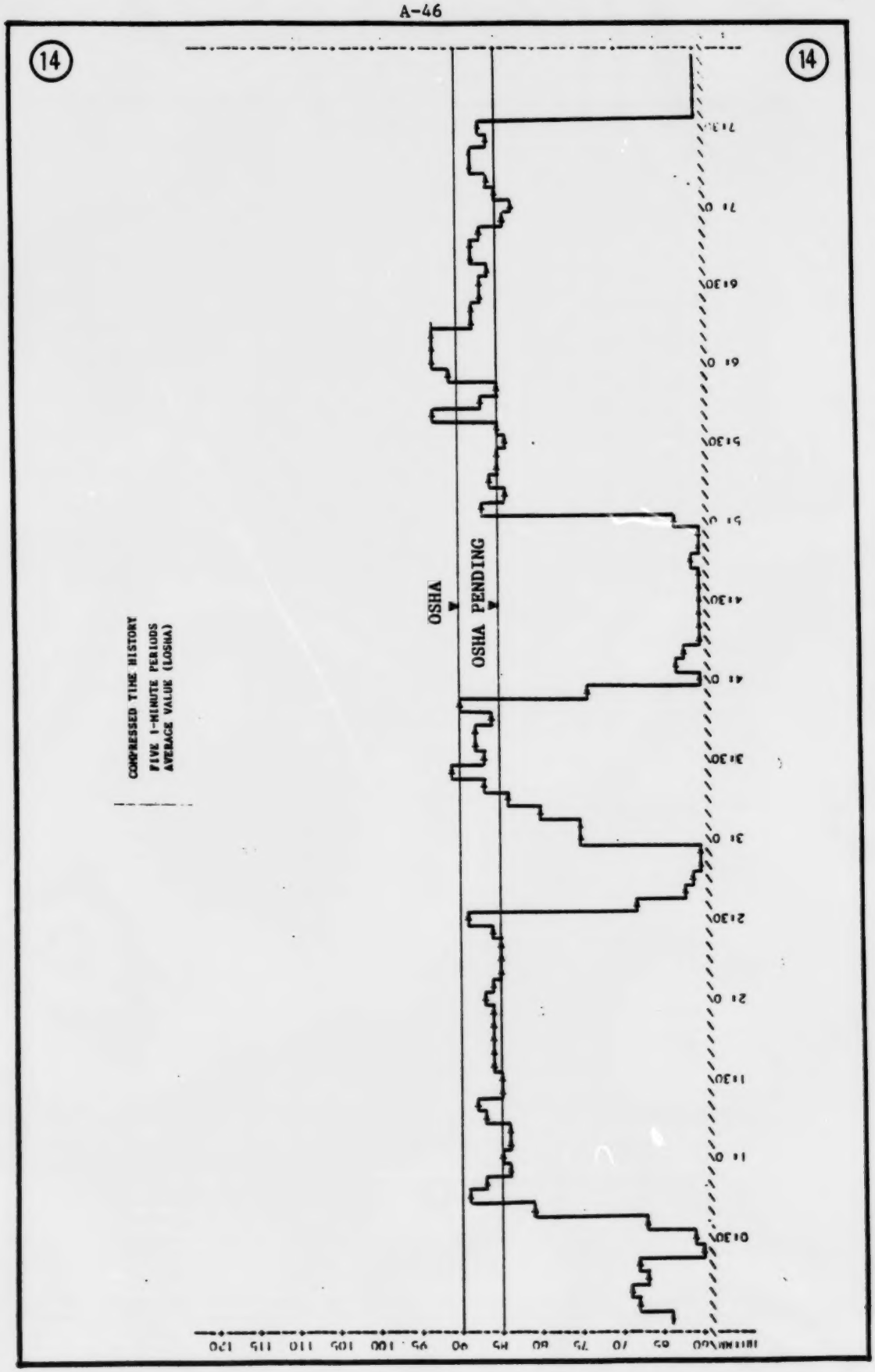
TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

TIME	LOSHA		%DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	78.7	78.7	2.618	2.62
2	85.8	83.1	6.965	9.58
3	82.5	82.9	4.431	14.01
4	85.6	83.7	6.784	20.80
5	80.6	82.1	.214	21.01
6	86.5	83.1	7.686	28.70
7	89.3	84.4	11.361	40.06
8	82.5	84.2	4.436	44.50

MIN. COMP. = 60 DB MAX. COMP. = 97 DB
ARITHMETIC MEAN = 77 DB
STD. DEVIATION = 12 DB
VARIANCE =144 DB

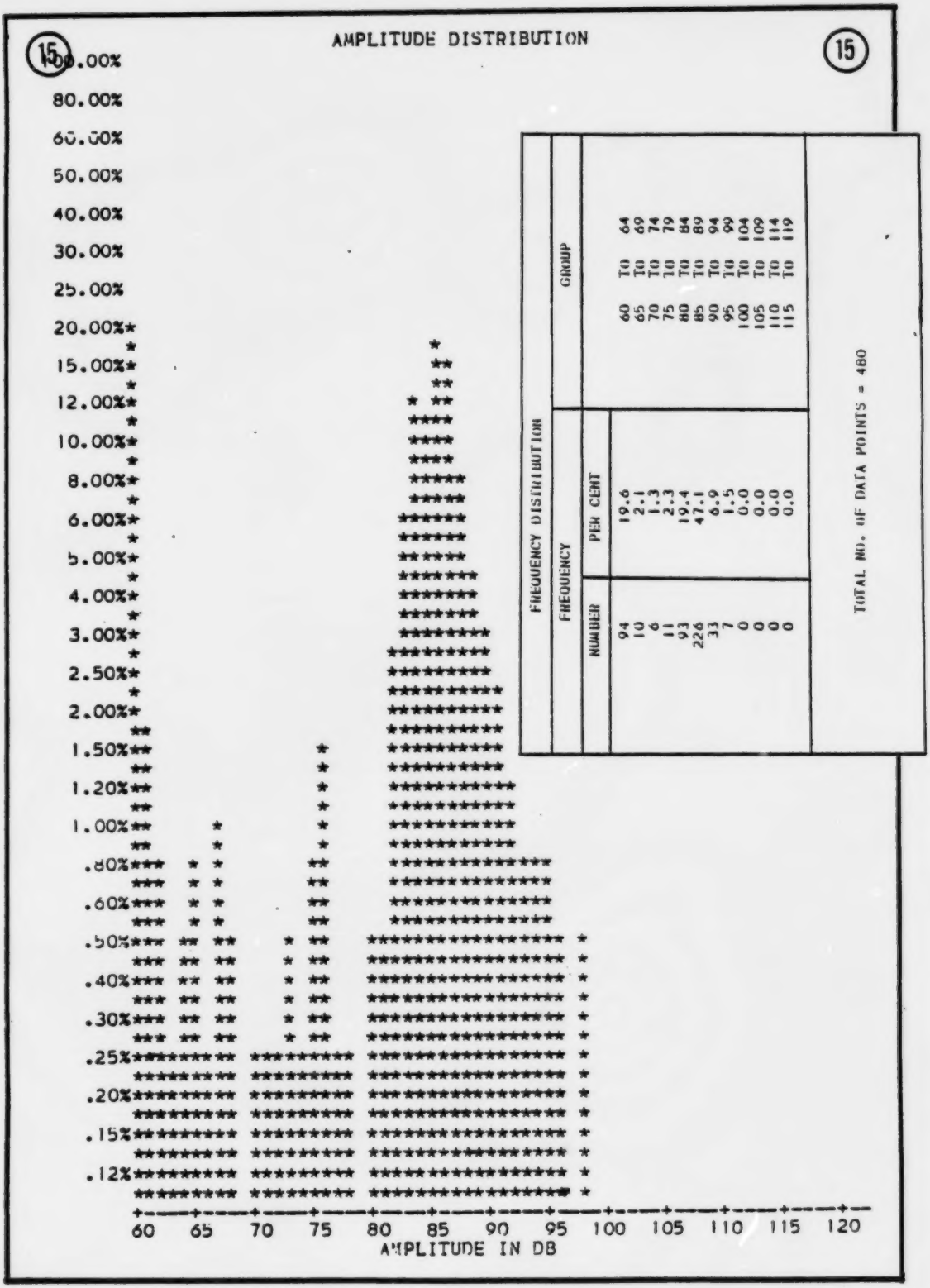

AMPLITUDE DISTRIBUTION
14
80.00%
60.00%
50.00%
40.00%
30.00%
25.00%
20.00%
15.00%
12.00%
10.00%
8.00%
6.00%
5.00%
4.00%
3.00%
2.50%
2.00%
1.50%
1.20%
1.00%
.80%
.60%
.50%
.40%
.30%
.25%
.20%
.15%
.12%
60 65 70 75 80 85 90 95 100 105 110 115 120
AMPLITUDE IN DB
FREQUENCY DISTRIBUTION
GROUP
FREQUENCY
NUMBER
PER CENT
60 TO 64 140 29.2
65 TO 69 16 3.3
70 TO 74 11 2.3
75 TO 79 13 2.7
80 TO 84 65 13.5
85 TO 89 192 40.0
90 TO 94 37 7.7
95 TO 99 6 1.3
100 TO 104 0 0.0
105 TO 109 0 0.0
110 TO 114 0 0.0
115 TO 119 0 0.0
TOTAL NO. OF DATA POINTS = 480

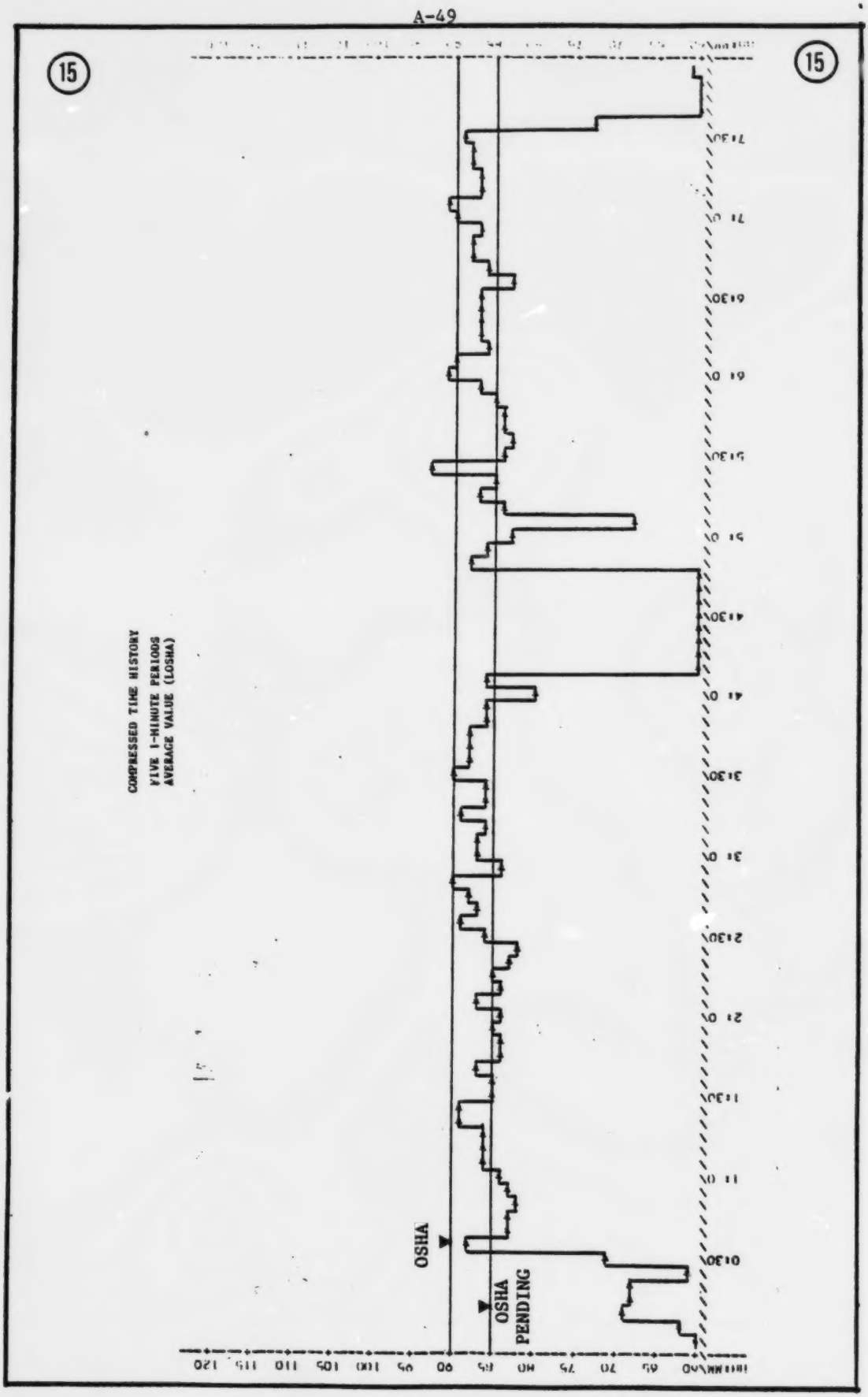

14
14
OSHA
OSHA PENDING
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
7:30
7: 0
6:30
6: 0
5:30
5: 0
4:30
4: 0
3:30
3: 0
2:30
2: 0
1:30
1: 0
0:30
120
115
110
105
100
95
90
85
80
75
70
65
60

(15)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

  1  26  80  1216   60   64    4    1
     244     115200  480
 60  60  60  60  60  60  60  60  62  67  62  70  60  60  76  76
 60  60  65  67  68  75  66  60  62  60  60  65  60  60  60  64
 68  76  76  73  76  92  95  83  82  84  84  83  82  83  83  82
 83  84  84  83  81  82  82  82  82  85  84  84  82  82  84  86
 85  87  86  88  85  86  87  85  85  86  86  86  86  86  85  88
 93  86  87  85  89  88  88  91  89  89  86  86  84  84  84  85
 85  84  84  85  91  86  86  86  86  84  85  84  84  84  83  83
 84  84  84  83  84  86  85  85  84  84  83  84  85  85  86  87
 90  86  84  83  84  85  85  86  84  86  84  83  82  93  80  84
 85  85  75  78  84  85  83  84  85  87  88  89  88  87  88  91
 90  86  87  85  87  87  85  86  89  90  90  91  90  92  86  85
 84  84  84  84  85  85  89  87  87  87  87  87  87  87  86  85
 85  85  87  89  90  88  89  86  87  85  85  85  86  86  86  86
 86  87  87  95  92  86  84  85  87  90  88  88  87  88  88  88
 88  90  86  88  86  87  86  86  86  87  86  93  91  64  67  81
 65  71  74  84  87  91  92  80  77  61  61  61  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 61  60  60  75  86  96  90  87  86  85  86  85  85  83  88  76
 60  60  60  73  80  72  60  61  88  87  87  87  86  86  87  87
 87  84  84  84  86  84  96  89  98  87  86  84  83  84  83  83
 84  83  82  84  83  84  86  84  85  84  84  84  84  83  82  86
 86  86  86  87  87  88  87  88  89  92  94  91  87  89  91  94
 86  86  86  86  86  86  85  89  87  86  86  88  87  87  87  88
 87  85  87  87  88  89  86  86  90  87  84  83  85  83  83  83
 85  86  86  86  86  88  90  89  87  88  90  87  89  86  86  87
 88  88  87  87  87  88  86  93  94  88  98  88  88  87  86  87
 87  87  87  86  87  86  87  87  87  89  87  86  90  91  89  87
 85  85  87  87  87  87  95  83  67  61  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  61  60  60  60  60  63
%EOF



ENTER LOG DATE (DD/MM/YR) : 25/07/79
ENTER SITE CODE (5 CHARS) : 2SSYA

ENTER USER CODE (4 CHARS) : 4813
 ENTER JOB CODE (3 CHARS) : MLA


   DATA LOGGED :25 JULY 1979          DATA ANALYZED : 19 SEPT 1979
        LOGGER : DB-301/26                SITE CODE : 2SSYA
 SERIAL NUMBER : 1216                      JOB CODE : MLA
      BASELINE : 60 DB                    USER CODE : 4813
 DYNAMIC RANGE : 64 DB                     THRESHOLD :  80 DB
 SAMPLING RATE :  4/SEC             TOTAL SAMPLES =  115200
 TEST DURATION =   8: 0: 0           STANDBY TIME =   0: 1: 1

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                    %DOSE
HOUR    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1      79.0       79.0        2.719      2.72
   2      86.0       83.3        7.191      9.91
   3      86.1       84.4        7.290     17.20
   4      87.3       85.2        8.556     25.76
   5      78.2       84.3        2.429     28.19
   6      85.4       84.5        6.629     34.82
   7      87.6       85.0        8.959     43.77
   8      85.1       85.0        6.339     50.11
MIN. COMP. =  60 DB              MAX. COMP. =  98 DB
ARITHMETIC MEAN =  80 DB
STD. DEVIATION =  11 DB
VARIANCE =121 DB
```

(15)


AMPLITUDE DISTRIBUTION
15
15
80.00%
60.00%
50.00%
40.00%
30.00%
25.00%
20.00%
15.00%
12.00%
10.00%
8.00%
6.00%
5.00%
4.00%
3.00%
2.50%
2.00%
1.50%
1.20%
1.00%
.80%
.60%
.50%
.40%
.30%
.25%
.20%
.15%
.12%
60 65 70 75 80 85 90 95 100 105 110 115 120
AMPLITUDE IN DB
FREQUENCY DISTRIBUTION
GROUP
FREQUENCY
NUMBER
PER CENT
60 TO 64 94 19.6
65 TO 69 10 2.1
70 TO 74 6 1.3
75 TO 79 11 2.3
80 TO 84 93 19.4
85 TO 89 226 47.1
90 TO 94 33 6.9
95 TO 99 7 1.5
100 TO 104 0 0.0
105 TO 109 0 0.0
110 TO 114 0 0.0
115 TO 119 0 0.0
TOTAL NO. OF DATA POINTS = 480


15
15
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
7:30
7: 0
6:30
6: 0
5:30
5: 0
4:30
4: 0
3:30
3: 0
2:30
2: 0
1:30
1: 0
0:30
60 65 70 75 80 85 90 95 100 105 110 115 120

(16)

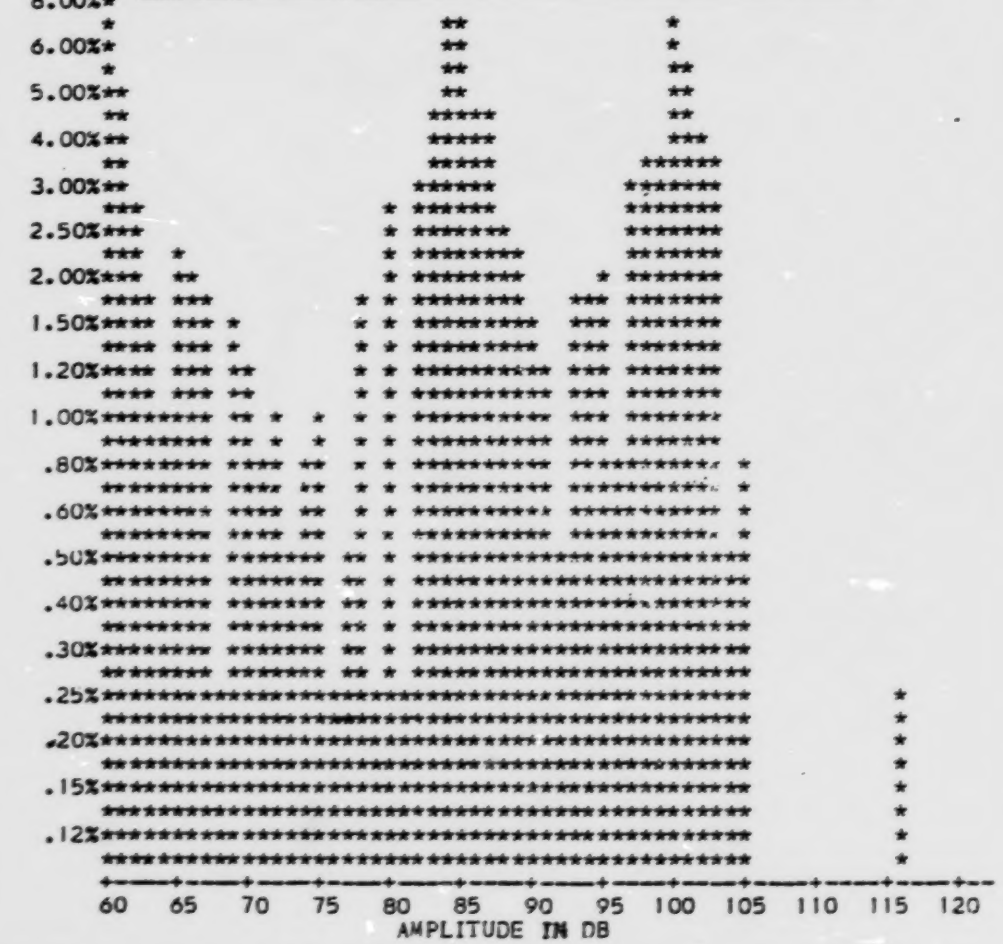
```
PLACE TAPE IN HEADEN THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1218    60    64     4     1
      53     115200   480
  69  65  69  60  66  63  61  61  64  62  67  63  61  71  62  65
  70  61  72  67  66  63  62  75  73  61  60  60  61  61  60  60
  60  64  60  62  66  71  60  60  63  60  61  69  74  71  70  70
  84  90  88  90  60  75  82  84  87  85  86  85  85  88  86  82
  88  96  89 100 101 100  84  83  85  90  86  82  89  99  94 102
 102 102 103 103 103 103 103 101 102 103 104 103 100 105 101  85
  98 102 101 101 100  99 101 101 100 103  98  99  97  98 100 100
 101  93  60  60  60  61  60  60  60  80  98  99 102  98 100 100
 100  98 116 100  98  90  86  60  80  88  94  98 102  99  60  60
  60  60  60  60  65  60  60  75  64  65  95 100  87  70  69  62
  60  62  65  61  61  65  63  74  61  65  72  75  66  62  60  60
  60  65  60  84  80  72  60  78  97  99  94 101  86  86  84  86
  85  85  85  85  86  87  88  87  84  87  86  84  85  83  84  88
  89  91  83  83  83  83  84  83  83  83  84  84  83  83  83  83
  85  85  85  84  85  84  84  84  82  81  84  83  86  82  84  85
  84  84  85  85  84  86  85  88  83  80  82  86  82  84  85  83
  85  87  88  93  60  67  60  60  94  98  84  99  97  87  87  94
  99  87 100  99 100  98 100  99  97  83  84  92  93  99  98 100
  99  95  97  95  95  98 100 100  98  93  93 100  97  61  69  60
  60  60  64  60  60  60  60  60  66  60  61  62  60  60  60  60
  60  60  60  72  68  77  63  66  82  97 100  97  87  99  97  78
  90  98 101  97 101 101 103 103 101 103 103  99 102 100 101  97
  80  69  67  79  87  87  80  76  60  61  85  78  85  89  85  66
  67  65  60  82  96 101 102 102 102 101 101 100 101 102 103 102
 102 101 101 100  98  87  89  87  97  78  89  91  80  82  84  83
  84  84  95  85  82  94  78  70  80  77  80  95  60  62  94  86
  78  67  66  85  95  89  93  96 100 100  91  67  63  82  99 100
  91  80  86  88  92  85  87  87  86  82  84  74  61  61  62  61
  86  93  85  89  86  73  78  80  90  87  89  86  85  85  84  60
  61  60  95 100  91  82 102 101 100 104 105 103 105 103 102 101
%EOF


ENTER LOG DATE (DD/MM/YR) : 26/07/79
ENTER SITE CODE (5 CHARS) : 2SHAF
ENTER USER CODE (4 CHARS) : 4682
 ENTER JOB CODE (3 CHARS) : 242


   DATA LOGGED :26 JULY 1979          DATA ANALYZED : 19 SEPT 1979
       LOGGER : DB-301/26                 SITE CODE : 2SHAF
SERIAL NUMBER : 1218                       JOB CODE : 242
     BASELINE : 60 DB                     USER CODE : 4682
DYNAMIC RANGE : 64 DB                    THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0              STANDBY TIME =   0: 0:13

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                    %DOSE
HOUR     CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1        75.6       75.6        1.686        1.69
   2        98.3       93.6       39.691       41.38
   3        93.6       93.6       20.476       61.85
   4        86.8       92.4        8.018       69.87
   5        93.8       92.7       21.159       91.03
   6        93.0       92.8       19.077      110.11
   7        93.8       92.9       21.163      131.27
   8        94.1       93.1       22.203      153.47
MIN. COMP. =  60 DB                MAX. COMP. = 116 DB
ARITHMETIC MEAN =  82 DB
STD. DEVIATION =  15 DB
VARIANCE =225 DB
```

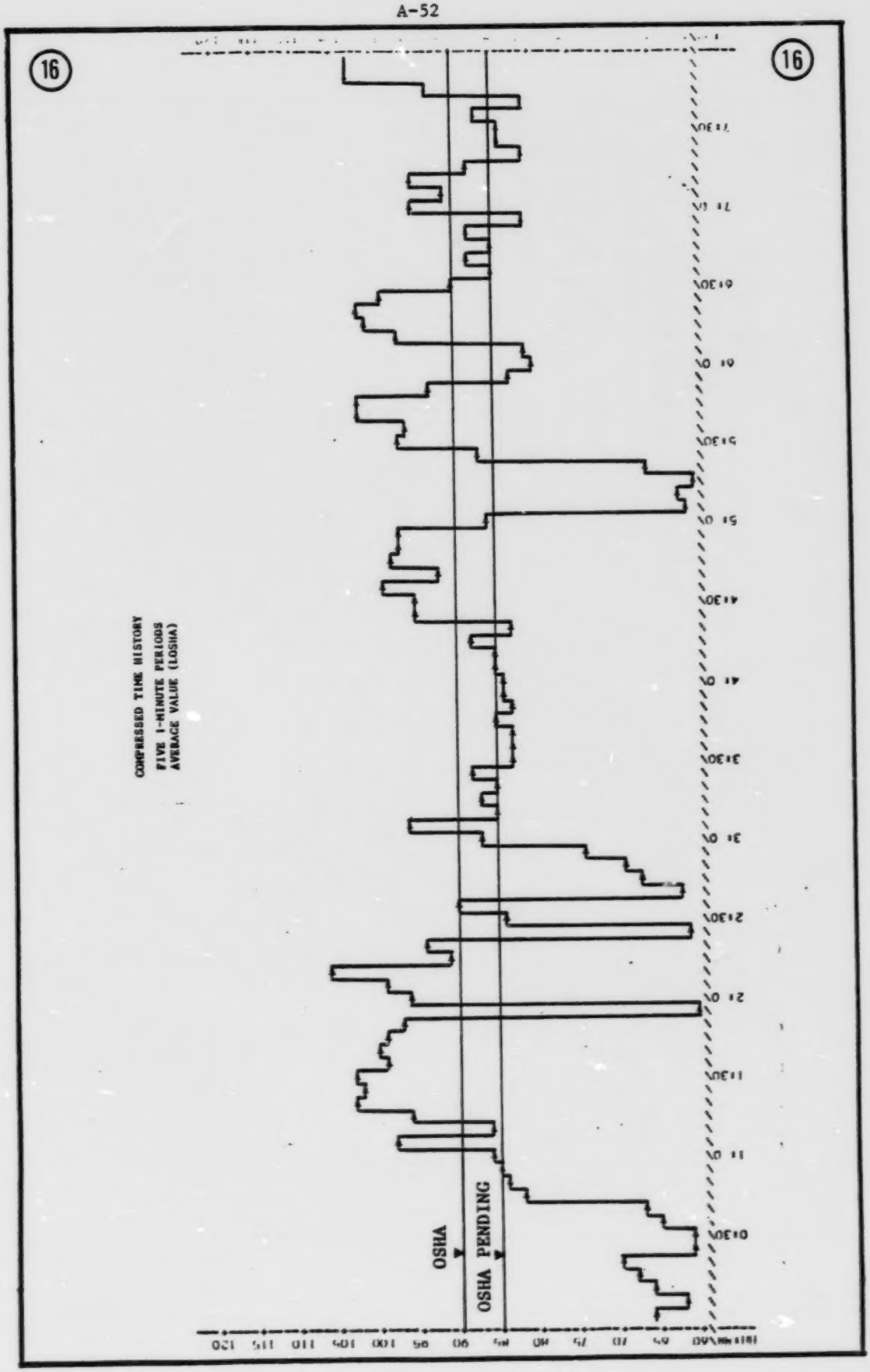
(16)

AMPLITUDE DISTRIBUTION

(16) (16)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
97	20.2	60 TO 64
31	6.5	65 TO 69
17	3.5	70 TO 74
15	3.1	75 TO 79
71	14.8	80 TO 84
82	17.1	85 TO 89
27	5.6	90 TO 94
53	11.0	95 TO 99
83	17.3	100 TO 104
3	.6	105 TO 109
0	0.0	110 TO 114
1	.2	115 TO 119
TOTAL NO. OF DATA POINTS = 480		




16
16
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0:30
1: 0
1:30
2: 0
2:30
3: 0
3:30
4: 0
4:30
5: 0
5:30
6: 0
6:30
7: 0
7:30
120
115
110
105
100
95
90
85
80
75
70
65
60

(17)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'RA
  1  26  40  1219   60   64    4    1
     68      115200  480
 71  61  68  60  60  60  61  65  79  92  70  76  90  90  93  93
 94  94  96 100  98  97  95  95  97  93  97  89  72  74  66  68
 63  60  60  63  60  60  60  60  66  77  66  96  80  89  76  81
 74  71  90  90  90  92  89  93  97  93  91  89  89  89  98  86
 87  86  86  89  89  89  89  89  89  88  89  86  89  89  89  89
 89  82  84  89  84  89  89  93  93  84  80  80  86  81  84  76
 76  77  77  77  75  77  75  91  86  84  99  96  86  87  87  91
 86  82  86  84  83  80  81  90  99 100 100 100  96  91  96  99
 96  96  97  97  93 100  99 100 100 100 100 100  93  77   1  91
 81  81  90 101 100 100  99  96  91  72  76  80  79  76  83  91
 91  95  98  99  98  98  97  97  98  95  98  86  97  98  94  82
 90  97  91  89  82  71  87  86  92  97  96  97  89  87  82  74
 91  87  80  80  80  80  80  97  93  92  92  91  89  93  86  97
 72  72  76  69  75  73  80  72  66  64  73  62  68  80  80  80
 80  82  80  70  80  87  93 100  97  94  91  86  85  95  90  95
 87  98  72  64  80  81  85  84  80  62  80  80  84  84  72  72
 71  80  80  80  83  80  80  80  82  80  80  80  80  80  81  81
 80  80  86  96  80  74  91  73  80  80  74  80  80  82  85  80
 89  90  85  86  90  86  75  81  81  82  80  83  98  98  88  94
 96  97  96  96  96  97  91  83  87  84  85  86  80  95  92  93
 94  92  95  92  92  91  89  95  89  93  89  91  94  92  95  94
 94  90  93  85  86  85  85  85  87  92  92  89  86  86  95  91
 87  89  92  85  84  85  84  88  84  90  91  94  93  91  87  94
 88  84  84  84  87  95  84  87  85  93  92  74  80  80  83  82
 80  80  80  80  82  80  80  80  80  80  80  80  80  80  81  80
 80  80  80  80  80  74  80  80  80  80  80  80  65  86  84  79  78
 80  80  80  73  81  80  75  68  75  80  75  91  74  85  80  80
 82  80  89  89  80  85  80  80  80  80  85  84  75  91  91  93
100 102  93  91 103  99  97  98  84  91  88 101 103 104  96  90
EOF
```

(17)

```
ENTER LOG DATE (DD/MP/YR) : 17/07/79
ENTER SITE CODE (5 CHARS) : CC210
ENTER USER CODE (4 CHARS) : 4803
 ENTER JOB CODE (3 CHARS) : 296
```

```
    DATA LOGGED :17 JULY 1979
         LOGGER : DL-3(1/25
SERIAL NUMBER : 1219
      BASELINE : 50 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE : 4/SEC
TEST DURATION =  4  M  0

DATA ANALYZED : 13 SEPT 1979
    SITE CODE : CC210
     JOB CODE : 296
    USER CODE : 4803
   THRESHOLD : 80 DB
TOTAL SAMPLES =  115200
SAMPLE TIME =  4 HRS
```

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING
LOGGER LIMIT = 90 DB, 4 HRS
EACHING (CUMULATIVE) RATE = 5 %
ANNUAL (CUMULATIVE) LEVEL = 80 %
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

HOUR	LOCAL CURRENT	LOCAL CUMULATIVE	DOSE CURRENT	DOSE CUMULATIVE
1	89.0	89.0	10.830	10.83
2	87.3	88.2	8.597	19.43
3	95.3	91.4	24.179	43.61
4	90.3	91.1	12.983	56.59
5	83.9	90.2	5.377	61.97
6	90.7	90.3	13.481	77.65
7	89.7	89.8	8.874	86.52
8	90.1	89.8	12.461	97.18

MIN. COMP. = 80 DB
ARITHMETIC MEAN = 91 DB
STD. DEVIATION = 14 DB
VARIANCE =196 DB
MAX. COMP. = 104 DB

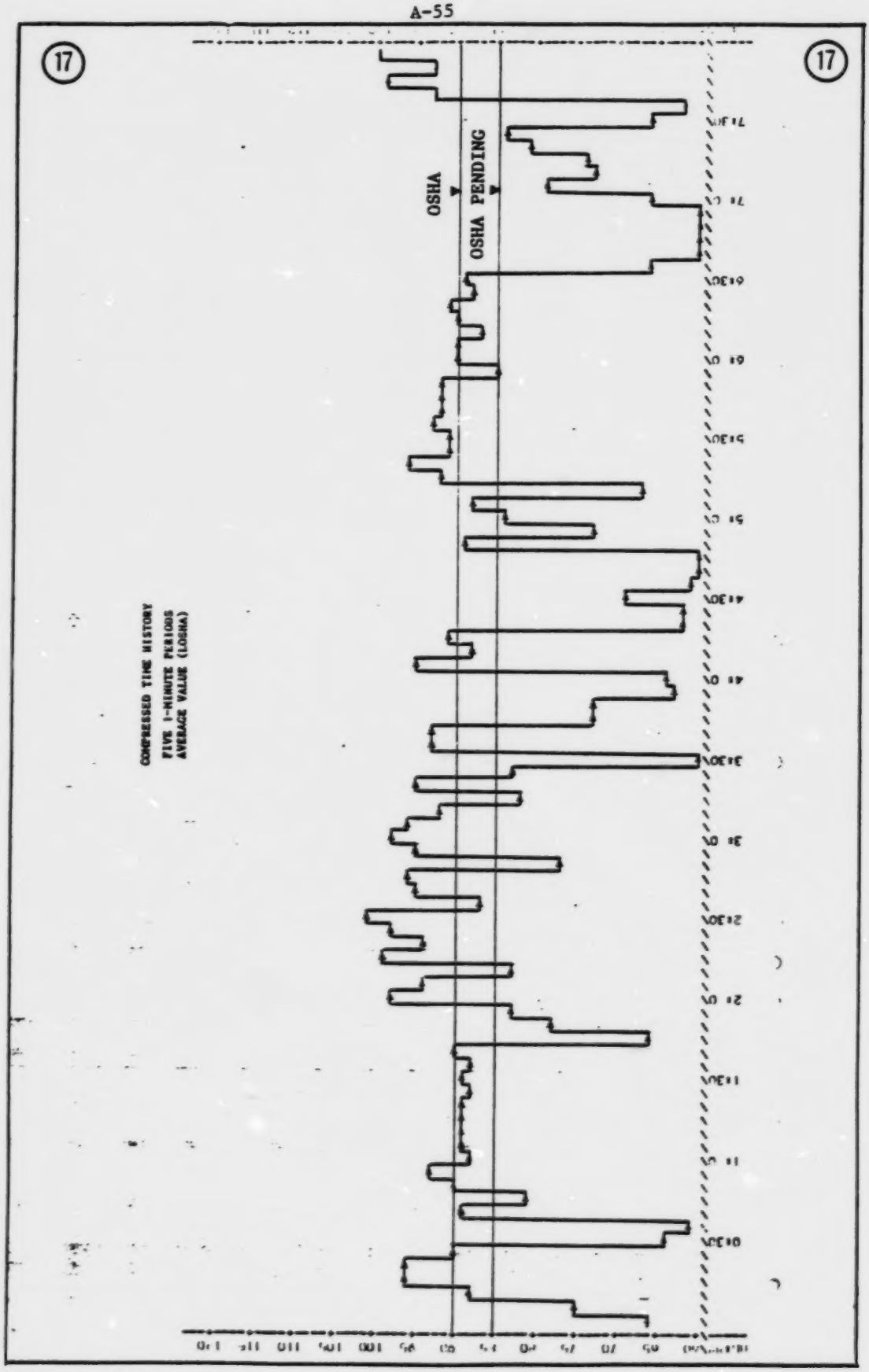
AMPLITUDE DISTRIBUTION

(17) (17)

FREQUENCY DISTRIBUTION

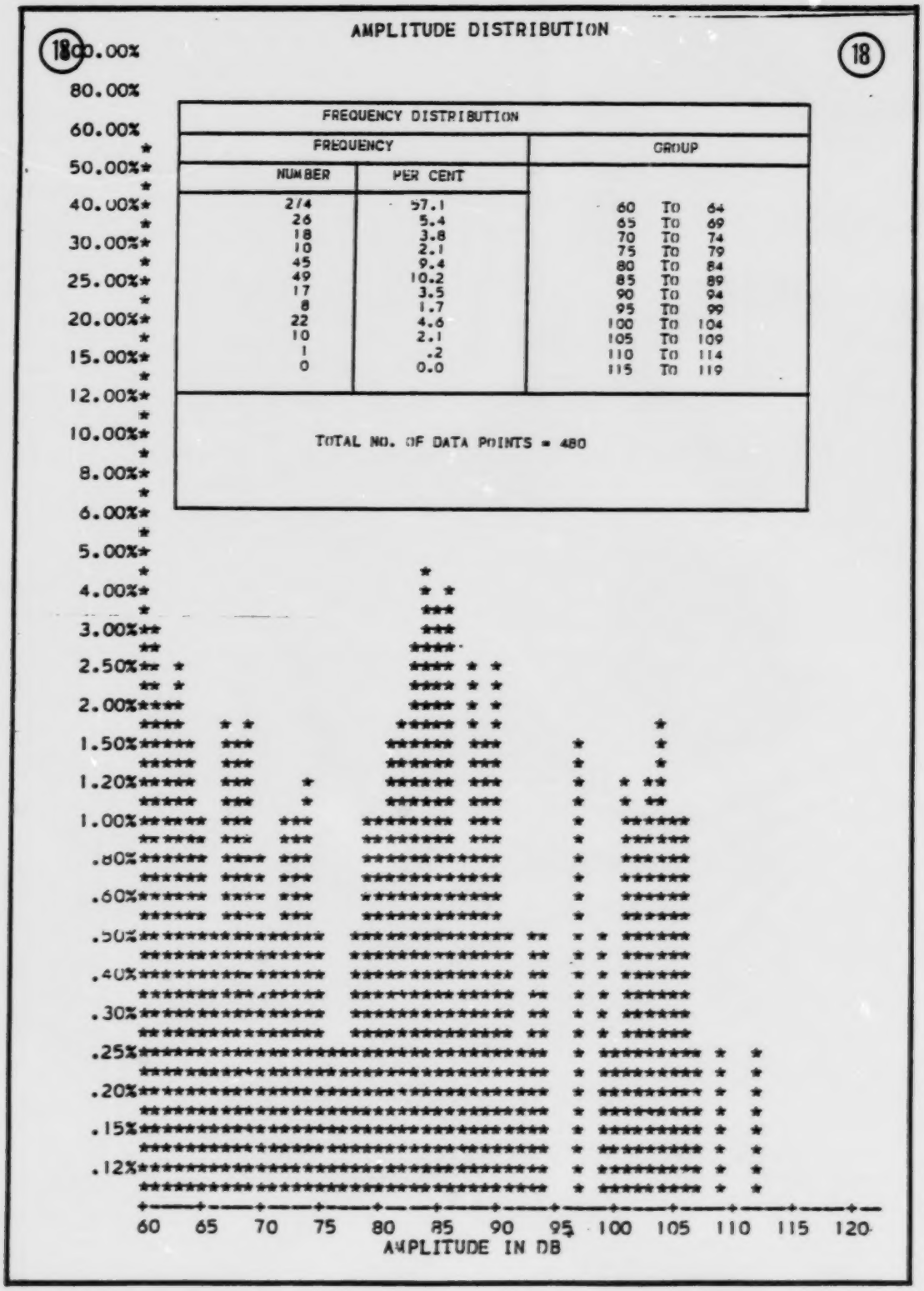
FREQUENCY		GROUP
NUMBER	PER CENT	
110	22.9	60 TO 64
17	3.5	65 TO 69
30	6.3	70 TO 74
25	5.2	75 TO 79
36	7.5	80 TO 84
92	19.2	85 TO 89
83	17.3	90 TO 94
68	14.2	95 TO 99
19	4.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480


17
17
OSHA
OSHA PENDING
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOGHA)

(18) (18)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1225   60   64    4    1
     64    115200  480
  60  61  63  60  60  60  60  60  61  70  77  67  69  81  84  84
  84  84  84  84  84  85  84  86  85  85  86  85  84  90  86  85
  85  86  86  86  86  86  85  87  90  93  84  84  67  78  80  71
  64  60  60  84  82  84  65  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  69  83  87  85  83  79  81  81
  83  82  85  88  88  88  102 106 105  97 101  93 103  99 104  94
 101 105 112 109 101 100  97  97  97  97  97 102 106 106 103 104
 101 102 102 103 101 104 103 104 103 104 105 105 106 107 104 104
  99  81  84  69  60  60  61  80  86  60  60  60  64  81  60  63
  61  62  62  63  67  60  74  68  65  80  83  89  83  92  88  90
  89  86  89  87  91  64  82  91  90  88  85  86  89  82  90  88
  69  85  68  60  60  68  60  60  60  74  89  90  86  82  82  83
  83  83  84  83  83  85  90  84  60  60  61  63  60  60  60  60
  60  60  61  67  64  60  60  60  74  60  72  60  72  81  73  60
  60  61  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  78  79  60  60  60  60  60  60  60  61  60
  60  60  60  60  60  60  60  60  69  88  85  94  63  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  64  60  60  70  60  60  60
  60  60  60  62  63  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  73  72  60  60  60  60  60
  60  60  60  60  60  60  60  73  60  60  60  60  60  60  60  60
  62  67  60  60  64  61  82  86  90  88  83  88  85  90  86  88
  89  86  69  67  80  69  84  90  60  79  70  86  75  65  60  75
  60  60  60  60  60  60  60  60  60  74  62  63  63  60  60  60
  60  60  60  61  60  60  62  60  61  60  62  73  79  72  63  62
  66  60  68  74  68  71  76  68  60  67  61  60  61  63  65  66
%EOF


ENTER LOG DATE (DD/MM/YR) : 26/07/79
ENTER SITE CODE (5 CHARS) : 28104

ENTER USER CODE (4 CHARS) : 4722

 ENTER JOB CODE (3 CHARS) : 242


   DATA LOGGED :26 JULY 1979          DATA ANALYZED : 19 SEPT 1979
       LOGGER : DB-301/26                  SITE CODE : 28104
SERIAL NUMBER : 1225                        JOB CODE : 242
     BASELINE : 60 DB                      USER CODE : 4722
DYNAMIC RANGE : 64 DB                      THRESHOLD :  80 DB
SAMPLING RATE :  4/SEC                 TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0               STANDBY TIME =   0: 0:16

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 9  DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                      %DOSE
HOUR     CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1       82.0       82.0         4.113       4.11
   2       94.9       91.0        24.513      28.63
   3       97.4       93.8        34.770      63.40
   4       81.2       92.1         3.678      67.07
   5       71.0       90.6          .899      67.97
   6       60.5       89.3          .210      68.18
   7       76.4       88.4         1.908      70.09
   8       71.5       87.5          .961      71.05
MIN. COMP. =  60 DB              MAX. COMP. = 112 DB
ARITHMETIC MEAN =  70 DB
STD. DEVIATION =  14 DB
VARIANCE =196 DB
```


AMPLITUDE DISTRIBUTION
18
18
FREQUENCY DISTRIBUTION
FREQUENCY
NUMBER
PER CENT
GROUP
274 57.1 60 To 64
26 5.4 65 To 69
18 3.8 70 To 74
10 2.1 75 To 79
45 9.4 80 To 84
49 10.2 85 To 89
17 3.5 90 To 94
8 1.7 95 To 99
22 4.6 100 To 104
10 2.1 105 To 109
1 .2 110 To 114
0 0.0 115 To 119
TOTAL NO. OF DATA POINTS = 480
80.00%
60.00%
50.00%
40.00%
30.00%
25.00%
20.00%
15.00%
12.00%
10.00%
8.00%
6.00%
5.00%
4.00%
3.00%
2.50%
2.00%
1.50%
1.20%
1.00%
.80%
.60%
.50%
.40%
.30%
.25%
.20%
.15%
.12%
60 65 70 75 80 85 90 95 100 105 110 115 120
AMPLITUDE IN DB

(19) (19)

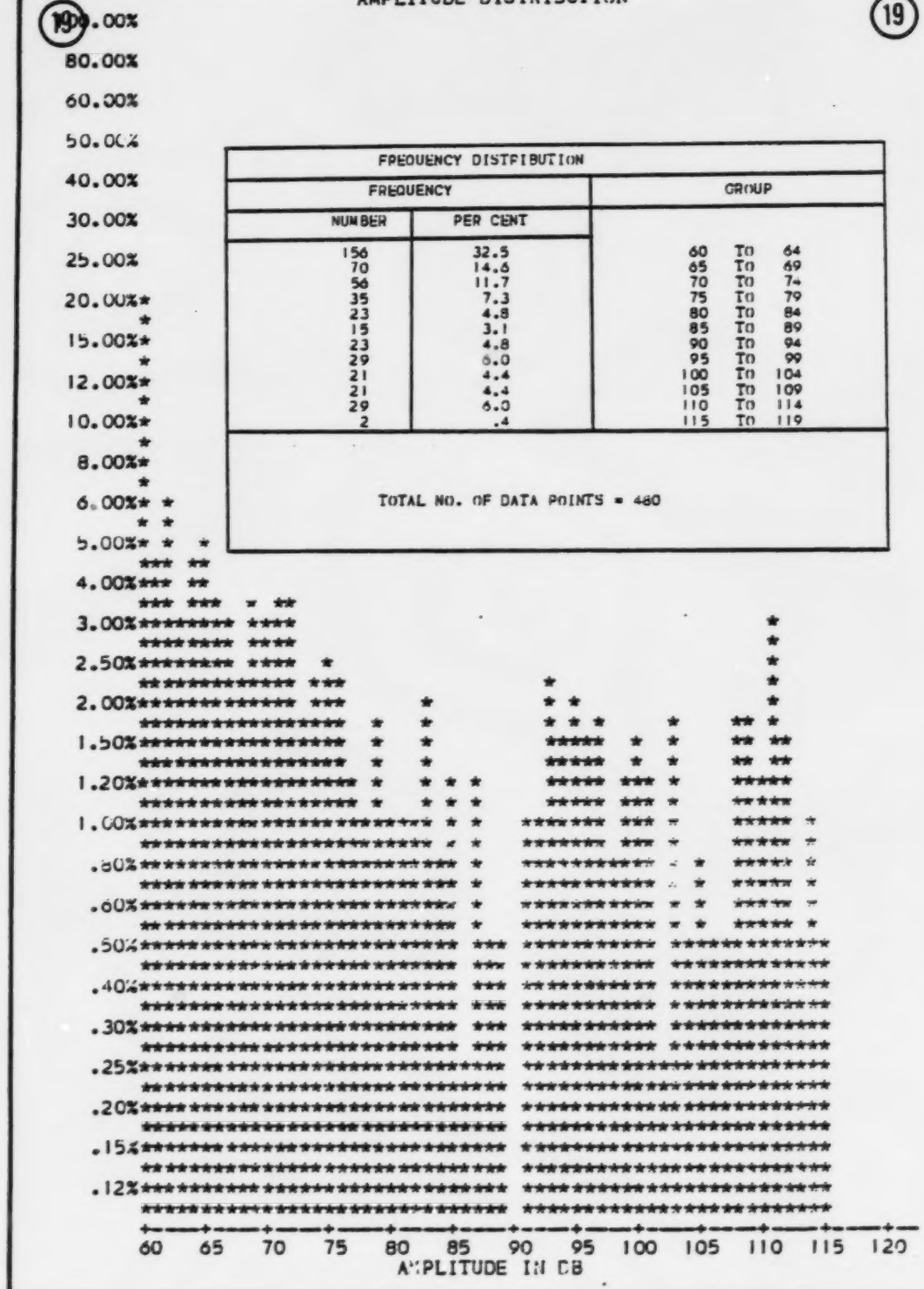
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1214   60   64    4    1
    112    115200  480
  65  63  63  60  62  60  62  62  66  62  71  61  62  69  60  66
  63  60  60  67  60  64  62  75  99  96  85  83  84  86  87  93
  99  91  83  84  91  97  98  93  97  95  94  89  74  93  88  92
  97  95  93  87  93  94  85  79  96  95  93  96  91  93  92  95
  69  71  63  69  74  60  61  65  60  60  62  60  60  68  61  71
  69  75  71  76  81  79  61  71  60  74  69  65  71  61  64  60
  67  67  64  69  60  62  62  65  64  72  60  68  75  71  76  64
  69  72  65  67  67  65  62  72  69  67  68  74  66  68  64  60
  60  66  60  60  72  78  69  73  72  64  74  65  68  64  70  70
  69  72  83  74  72  61  61  60  70  66  63  60  79  71  60  67
  61  61  60  62  61  60  60  67  79  78  60  65  63  77  69  80
  69  76  60  64  64  76  64  71  73  71  76  75  65  67  60  62
  60  72  65  81  61  62  65  66  62  60  60  71  60  63  66  68
  73  66  66  65  69  61  75  66  64  74  72  72  75  70  60  62
  63  61  65  63  63  62  68  66  73  75  73  66  69  62  64  83
  63  68  64  60  72  62  61  60  71  74  76  95 103  84  77  65
  63  60  64  65  60  62  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  62  60  62  60  77  60  65  83  95
  82  78  75  73  70  72  69  60  60  60  60  68  60  82  71  60
  60  69  60  70  60  62  79  65  70  76  60  80  71  73  60  60
  60  60  70  85 109 111 112 101 103 101  92  70  77 111  97 107
 106 108 111 108 109 108  83 100 105  94  87 100  98 100 110 115
 103 109 113 112 104 111 110  75  81  81  72  76  95 100  99 103
 103  93 111 105 105 109 114 112 114 109 111 101 113 104  67  78
  91  85 106 102 111 114 112 111 110  77  82  80  74  75  65 103
 112  70  83  72  88  60  60  67  61  70  79  62  66 100  96 100
  99 111 115 109 109 111 110 108 114 103  98 101  99 112  82  85
  94 108 110 111 108 108 111 107  94  80  66  87  66  64  67  70
  61  63  61  64  60  60  60  64  62  60  61  60  76  93  97  96
  95  97  92 101  96  94  97  87  79  60  65  60  60  60  60  60
%EOF


ENTER LOG DATE (DD/MM/YR) : 13/08/79
ENTER SITE CODE (5 CHARS) : 32950

ENTER USER CODE (4 CHARS) : 4801
 ENTER JOB CODE (3 CHARS) : MLA


   DATA LOGGED :13  AUG 1979          DATA ANALYZED : 20 SEPT 1979
        LOGGER : DB-301/26                  SITE CODE : 32950
 SERIAL NUMBER : 1214                        JOB CODE : MLA
      BASELINE : 60 DB                      USER CODE : 4801
 DYNAMIC RANGE : 64 DB                      THRESHOLD :  80 DB
 SAMPLING RATE :  4/SEC                 TOTAL SAMPLES =  115200
 TEST DURATION =   8: 0: 0               STANDBY TIME =   0: 0:28

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                      %DOSE
HOUR    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1      89.3       89.3        11.293      11.29
   2      77.0       85.5         2.064      13.36
   3      70.3       83.0          .818      14.17
   4      69.7       81.3          .749      14.92
   5      79.4       80.9         2.862      17.78
   6     103.0       91.6        75.507      93.29
   7     104.4       95.4        92.341     185.63
   8     100.5       96.3        53.490     239.12
MIN. COMP. =  60 DB            MAX. COMP. = 115 DB
ARITHMETIC MEAN =  76 DB
STD. DEVIATION =  17 DB
VARIANCE =289 DB
```

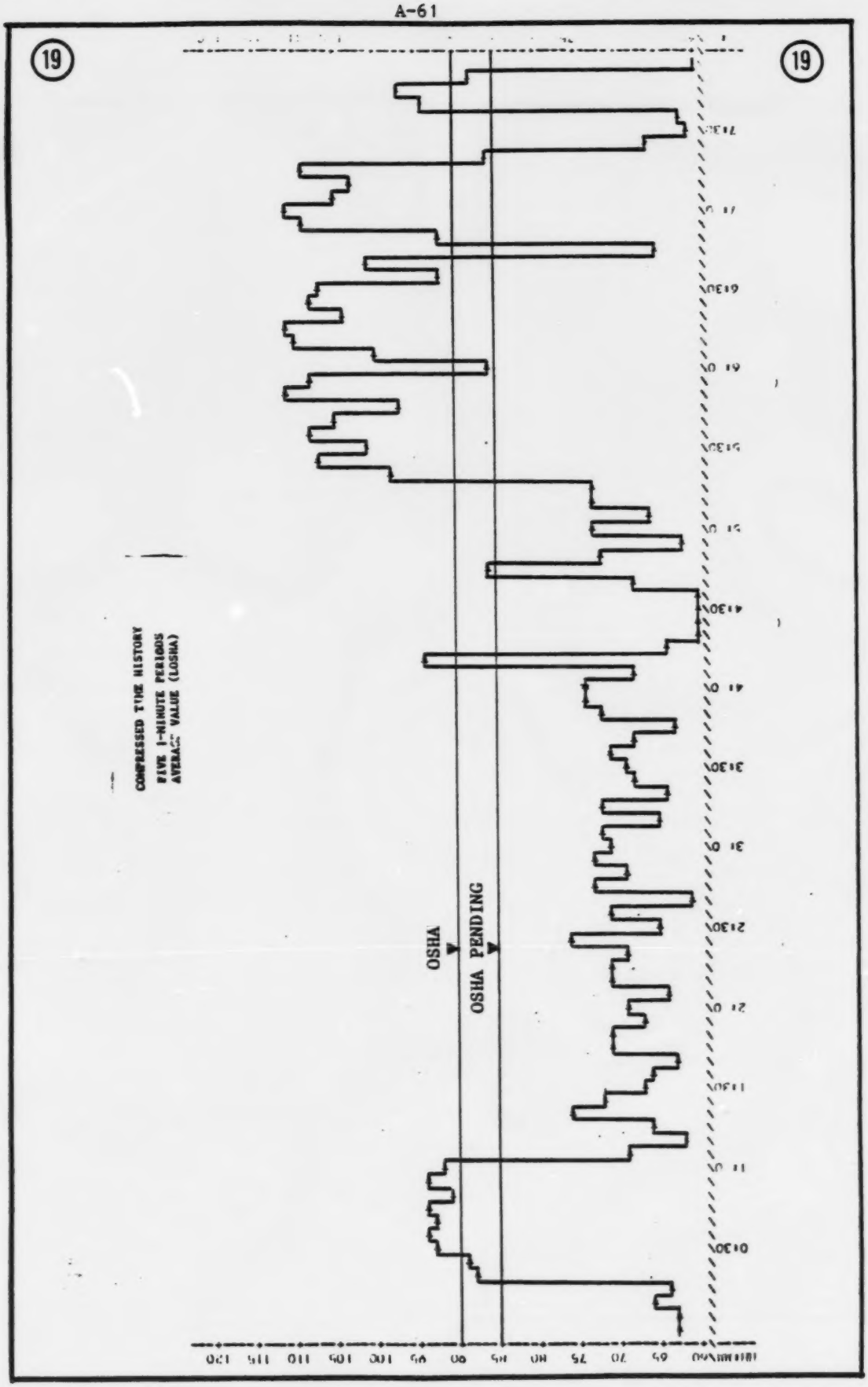
AMPLITUDE DISTRIBUTION

(19) (19)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
156	32.5	60 TO 64
70	14.6	65 TO 69
56	11.7	70 TO 74
35	7.3	75 TO 79
23	4.8	80 TO 84
15	3.1	85 TO 89
23	4.8	90 TO 94
29	6.0	95 TO 99
21	4.4	100 TO 104
21	4.4	105 TO 109
29	6.0	110 TO 114
2	.4	115 TO 119

TOTAL NO. OF DATA POINTS = 480




19
19
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
65
70
75
80
85
90
95
100
105
110
115
120

(20) (20)

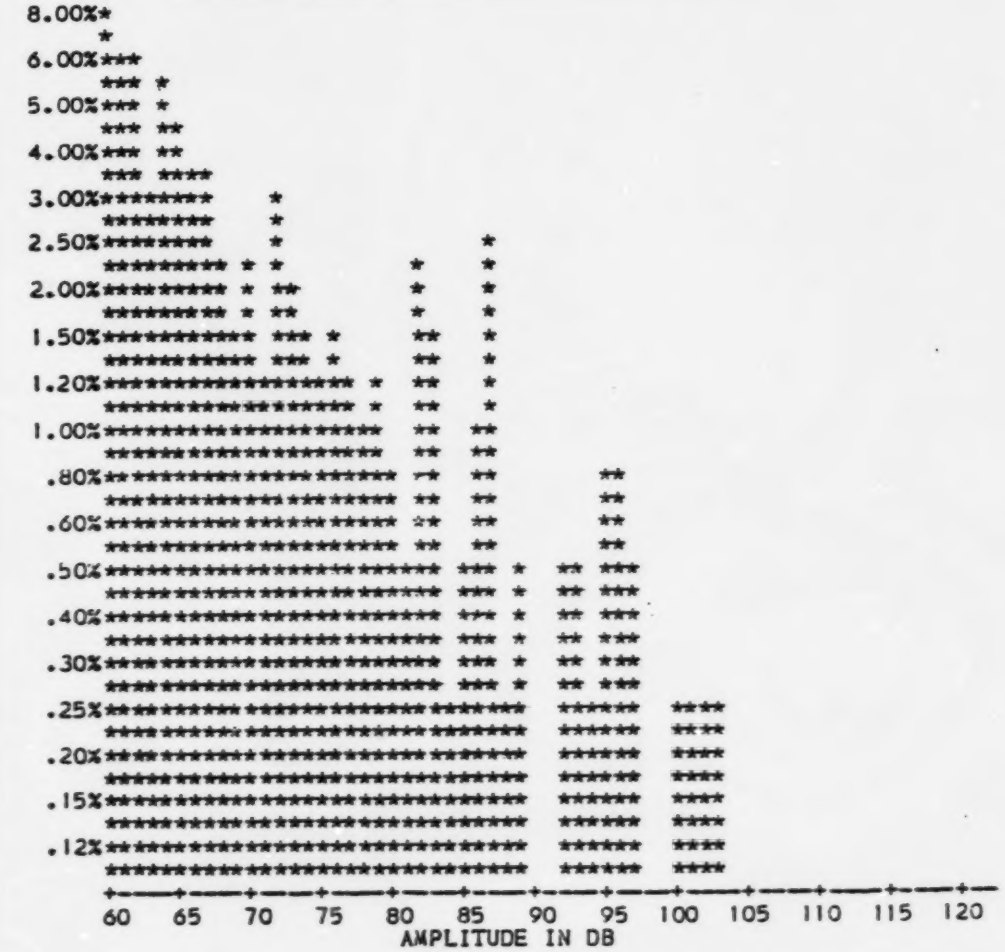
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1225   60   64    4    1
     102     115200  480
  60  60  60  60  60  60  60  60  60  60  62  60  60  60  60  66
  60  60  60  65  60  61  60  60  64  60  60  63  61  60  60  61
  70  67  65  60  66  60  60  60  60  60  70  69  61  64  67  65
  72  65  62  60  60  70  64  61  72  82  71  60  60  64  63  87
  60  60  60  60  60  60  60  60  64  79  78  72  63  67  60  61
  60  60  60  60  60  71  64  64  60  64  73  74  76  69  78  67
  63  64  73  65  63  68  69  61  66  66  61  63  61  60  74  76
  61  67  65  60  60  60  61  61  73  65  61  73  82  81  92  97
  96  93  92  96 101  85  82  72  79  75  66  60  60  60  60  69
  60  60  60  60  60  60  64  62  60  60  60  60  64  60  60  60
  60  60  60  68  61  60  62  62  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  61  73  60  60  60  60  64  60  60
  60  60  60  60  60  60  60  60  63  60  63  60  60  60  60  60
  60  74  87  77  82  65  73  64  79  80  83  60  60  62  70  68
  62  60  60  60  61  60  60  60  62  60  60  68  60  60  60  60
  60  60  72  60  79  77  66  74  83  66  65  62  61  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  63  60  60  60  60
  60  60  60  60  65  60  60  60  60  62  60  60  60  60  60  60
  60  60  60  63  65  60  60  60  62  60  61  63  60  60  60  60
  60  60  62  64  60  66  63  67  60  60  70  74  68  67  67  72
  62  65  60  61  60  60  61  60  60  60  60  60  60  60  60  60
  60  60  60  60  72  60  67  60  60  60  60  60  64  65  83  81
  71  62  71  61  64  60  60  62  60  60  64  60  64  67  65  60
  64  62  61  60  62  60  77  86  60  83  79  62  64  95  96  95
  93  86  73  74  70  76  63  66  66  73  77  78  70  76  72  68
  67  68  60  62  69  65  71  66  62  64  60  64  62  60  61  65
  62  60  65  62  60  68  67  60  87  97  89  72  82  78  75  84
  75  75  75  80  66  68  82  70  72  83  76  83 102 103 100  95
  82  85  86  87  86  87  87  87  87  88  87  87  80  89  67  64
  62  66  67  69  82  76  67  60  61  72  82  77  70  72  94  63
REOF


ENTER LOG DATE (DD/MM/YR) : 24/08/79
ENTER SITE CODE (5 CHARS) : 00000
ENTER USER CODE (4 CHARS) : 4808
 ENTER JOB CODE (3 CHARS) : 296


   DATA LOGGED :24  AUG 1979          DATA ANALYZED : 25 SEPT 1979
        LOGGER : DB-301/26                  SITE CODE : 00000
SERIAL NUMBER : 1225                         JOB CODE : 296
      BASELINE : 60 DB                       USER CODE : 480[illegible]
DYNAMIC RANGE : 64 DB                       THRESHOLD : [illegible]
SAMPLING RATE :  4/SEC                  TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0                 STANDBY TIME =  [illegible]

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% NOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = [illegible] DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                      NOSE
HOUR    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1      64.9      64.9          .383       .38
   2      68.9      67.2          .675      1.06
   3      61.7      75.5         3.938      5.00
   4      69.0      74.3          .662      5.68
   5      65.3      73.2          .405      6.08
   6      66.2      72.4          .461      6.54
   7      78.4      73.6         2.493      9.04
   8      86.4      77.1         7.627     16.66
MIN. COMP. =  60 DB              MAX. COMP. = 103 DB
ARITHMETIC MEAN =  66 DB
STD. DEVIATION =   9 DB
VARIANCE = 81 DB
```

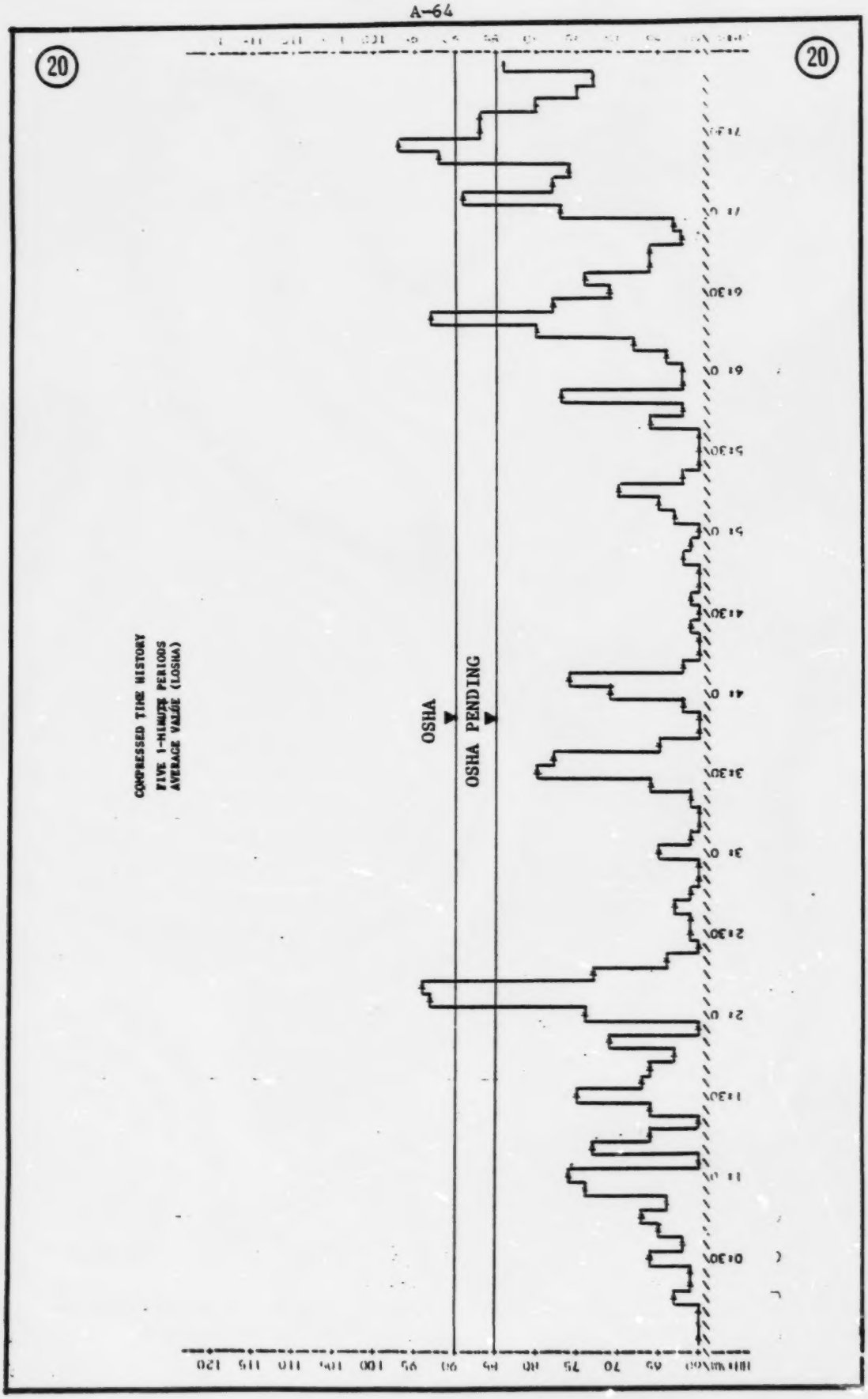
AMPLITUDE DISTRIBUTION

(20) (20)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
297	41.9	60 TO 64
61	12.7	65 TO 69
40	8.3	70 TO 74
25	5.2	75 TO 79
21	4.4	80 TO 84
19	4.0	85 TO 89
5	1.0	90 TO 94
8	1.7	95 TO 99
4	.8	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480

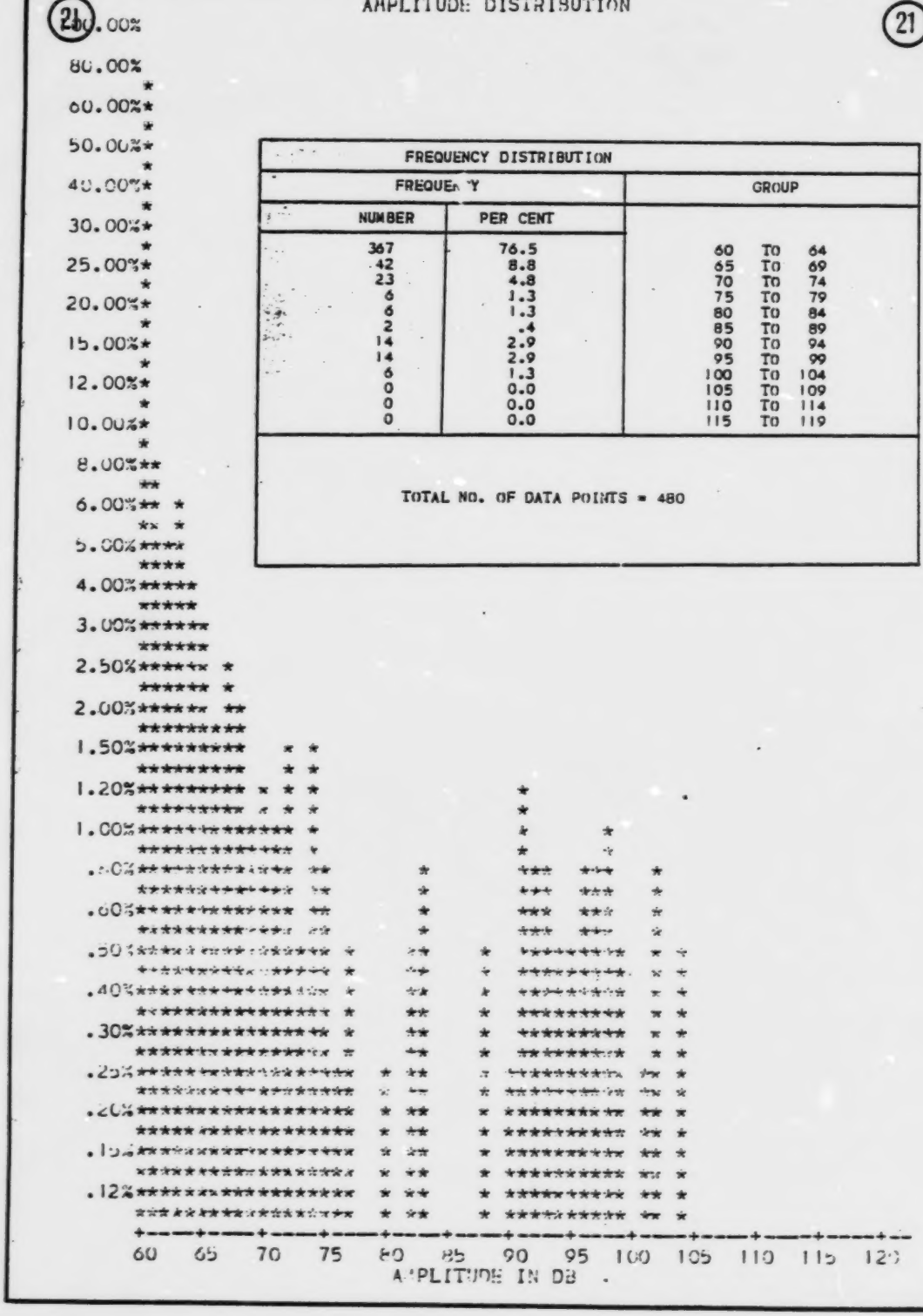



20
20
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0:30
1:00
1:30
2:00
2:30
3:00
3:30
4:00
4:30
5:00
5:30
6:00
6:30
7:00
7:30
dBA
60
65
70
75
80
85
90
95
100
105
110
115
120

(21) (21)

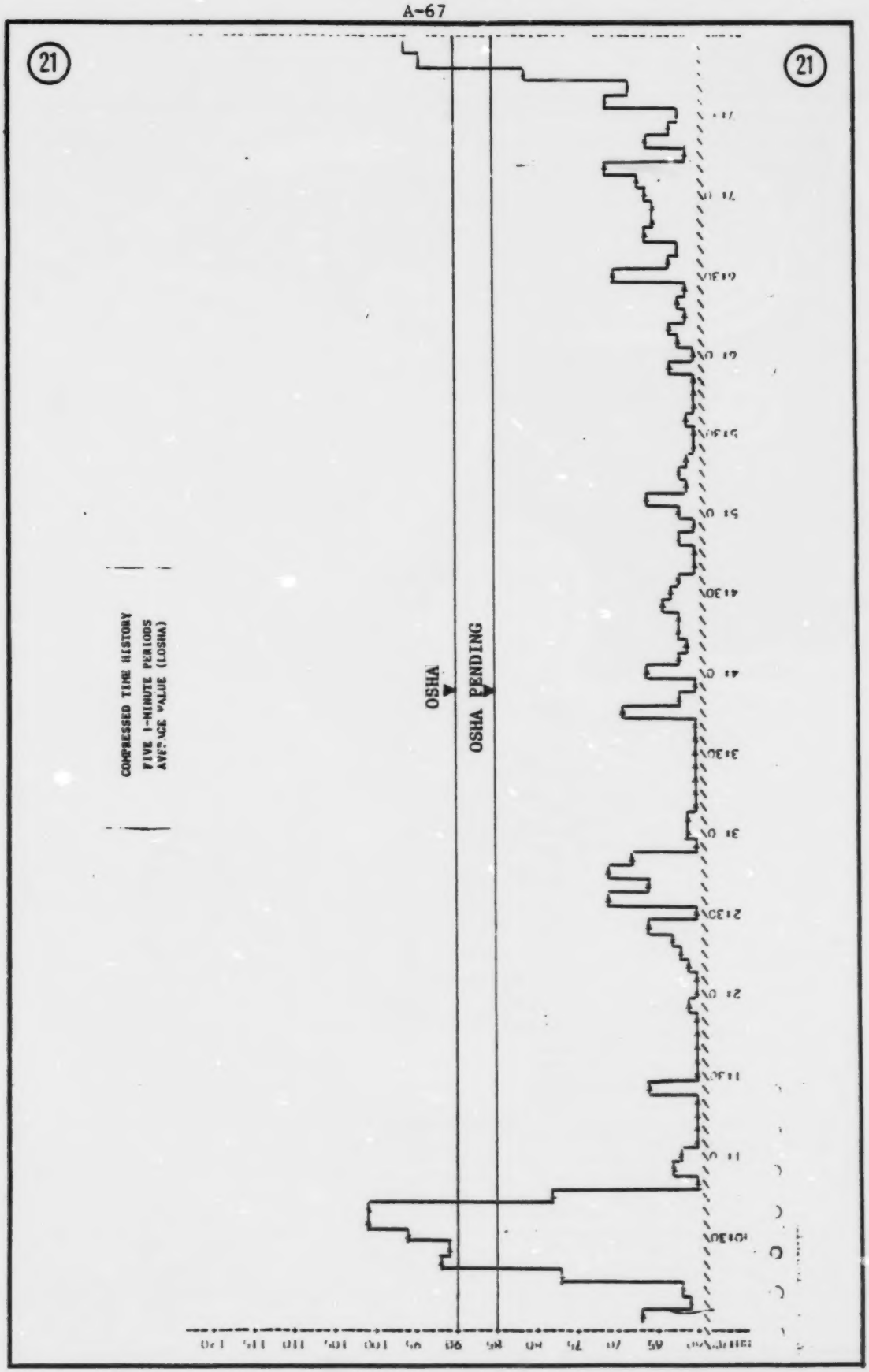
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  60  1226  60  64  4  1
  17060   115200  480
  76  60  60  61  60  63  60  60  60  62  60  67  62  60  60  60
  62  60  60  88  93  91  91  90  95  92  91  91  91  92  92  93
  93  99  98  102 102  99  98  102 104 104 101  98  97  88  74  60
  65  60  60  60  60  62  60  67  61  60  61  65  63  64  62  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  73  60  60  60  60  60  60  60  60  60  60
  60  62  60  60  60  60  60  60  60  61  61  60  60  60  60  60
  60  60  60  60  60  60  61  64  60  60  60  60  61  60  60  60
  60  60  60  63  60  60  60  60  60  60  66  64  63  60  60  60
  67  74  60  60  60  60  60  60  60  60  60  66  74  60  75  73
  60  70  72  60  60  61  66  65  60  60  77  60  60  60  60  60
  60  60  60  60  60  62  63  60  60  60  60  60  60  63  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  61  60  60  60
  61  60  75  71  65  60  65  60  63  60  60  60  60  60  60  60
  65  67  61  61  72  65  61  61  60  61  60  63  60  60  60  60
  61  63  60  65  61  60  60  60  67  61  60  60  60  70  60  60
  60  70  60  60  60  60  60  66  60  60  60  60  60  60  60  60
  60  60  60  60  60  63  65  60  60  60  60  60  67  61  60  60
  60  64  63  61  69  68  63  60  60  61  62  64  60  63  60  60
  60  60  60  60  63  60  60  60  60  60  61  60  60  60  60  60
  61  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  63  63  62  64  60  60  60  60  60  60  60  68  60
  60  60  60  68  60  61  64  60  61  62  60  60  60  60  60  60
  68  60  63  60  63  60  61  75  71  65  69  60  62  60  62  67
  60  63  64  60  62  62  64  60  61  74  62  69  62  61  68  68
  60  67  66  62  72  64  64  60  64  63  68  66  66  69  68  63
  74  77  65  61  61  60  60  64  60  62  64  72  67  63  65  61
  60  64  63  62  63  60  60  67  70  72  74  72  71  60  60  70
  71  60  82  82  83  83  83  94  97  96  95  98  96  96  94  97
%EOF


ENTER LOG DATE (DD/MM/YR) : 11/07/79.
ENTER SITE CODE (5 CHARS) : CC247
ENTER USER CODE (4 CHARS) : 4800
 ENTER JOB CODE (3 CHARS) : 296


   DATA LOGGED :11 JULY 1979          DATA ANALYZED : 12 SEPT 1979
        LOGGER : DB-301/26                  SITE CODE : CC247
SERIAL NUMBER : 1226                         JOB CODE : 296
      BASELINE : 60 DB                       USER CODE : 4800
DYNAMIC RANGE : 64 DB                       THRESHOLD : [illegible]
SAMPLING RATE :  4/SEC                 TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0                STANDBY TIME =   1:11: 5

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = [illegible]
NUMBER OF COMPUTATIONS = [illegible]
PERIOD =  1 MINUTES

TIME          LOSHA                          DOSE
HOUR     CURRENT  CUMULATIVE        CURRENT  CUMULATIVE
   1      91.4      91.4           15.141     15.14
   2      61.0      86.5            .224      15.36
   3      65.3      83.8            .405      15.77
   4      61.6      81.3            .243      15.01
   5      62.2      80.3            .246      16.26
   6      61.5      79.1            .240      16.52
   7      64.0      78.1            .340      16.86
   8      63.5      79.1           5.275      21.93
MIN. COMP. =  [illegible]                MAX. COMP. = [illegible]
ARITHMETIC MEAN =  64 DB
STD. DEVIATION =  10 DB
VARIANCE =100 DB
```

AMPLITUDE DISTRIBUTION



FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
367	76.5	60 TO 64
42	8.8	65 TO 69
23	4.8	70 TO 74
6	1.3	75 TO 79
6	1.3	80 TO 84
2	.4	85 TO 89
14	2.9	90 TO 94
14	2.9	95 TO 99
6	1.3	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480


21
21
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

(22) (22)

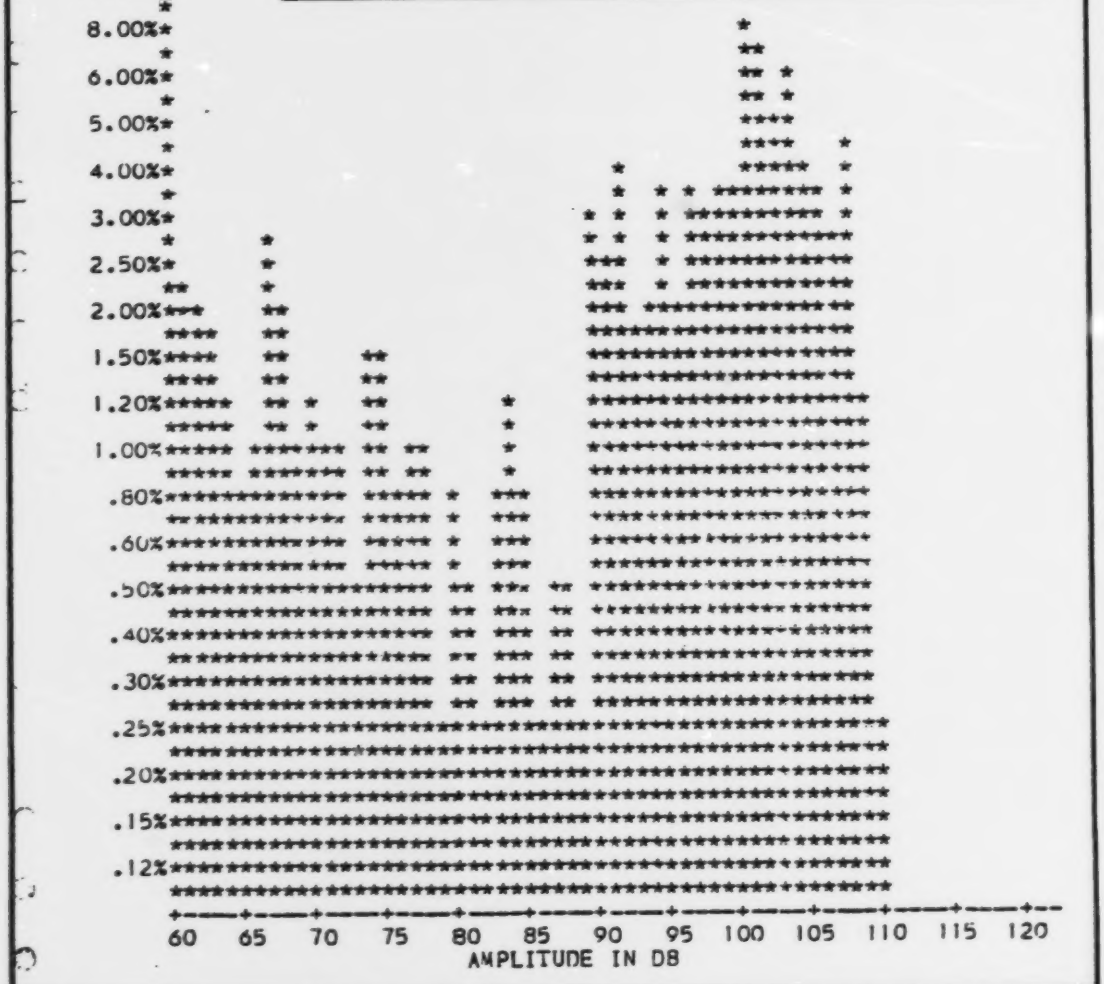
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

  1  26  80  1212   60   64    4    1
    1781     115200  480
  60  60  60  61  64  66  70  69  60  61  65  75  78  69  62  61
  60  60  68  62  67  71  67  75  67  62  69  63  60  66  63  75
  64  60  60  67  66  60  60  70  74  72  67  60  64  62  72  68
  68  67  62  67  77  68  71  77  60  60  60  60  71  62  69  67
  66  64  74  64  76  94  91  74  83  88  85  84  82  90  98  98
  96  97  94  63  67  74  90  94  98 101  96  87  75  68  67  60
  70  72  79  80  71  81  95  92  91  93  91  96  96  92  92  98
 104 104  97  95  96  99  98  93  92  96 102 101 102 103 101 102
  97  95  97 100  96  92 101 104 102  97  95  95  95  95 103 108
 108 107 104 104 105 103 102 100  98  87  84  84  94 102 103  98
 100 101 101  97 100  97  93  93 104 104 104 105 102  99  97 102
 104 108 108 108 106  97 101 105 106 102 105 107 108 107 101 104
 106 104 106 108 108 105  94  90 102 106 106 101 104 108 108 105
 100 106 107 104 101 107 108 108 103 104 107 106 101 104 108 108
 106 102 106 107  98 101 101  98 104 108 108 106 104 102  99  99
 100 102 101 105 104 101 100 104 105 105  99  92  84  74  65  60
  60  60  60  60  60  60  60  60  60  61  60  60  60  60  60  60
  60  60  60  63  68  61  60  61  63  62  60  63  60  61  68  60
  63  73  67  72  70  90  91  94  76  75  83  86  95  97 105 105
 105 104 105 106 108 107 107 107 110 107 109 109 109 109 109 108
 102 101  98 100  99  91  88  93 101 101 100  99  89  92  92  90
  92  91  90  90  90  90  92  92  97  97 101 101 100  95  91  92
  95 100 102 104  99  94  92  92  92  96 102 103 105 106 104 106
 104 106 105 103 102 101  99  97 103  93 100 100  99  99  98 103
 104 102 102 101 103 104 105 103 103 102 101 104 103 102 103 103
  91  91 102  99 101 103 101  95  95  90  95  90  99 101 102  97
 100 102 102  94 103  99  90  90  92  91  93  95  98  99  98 103
 101 103 101 102 101 101 103 102 102 101 102 101 101  85  60  62
  68  84  83  85  78  80  80  75  74  81  76  61  60  60  60  60
  60  60  60  60  60  60  60  61  60  70  65  77  78  78  73  77
%EOF


ENTER LOG DATE (DD/MM/YR) : 10/09/79

ENTER SITE CODE (5 CHARS) : 00326
ENTER USER CODE (4 CHARS) : 4822
 ENTER JOB CODE (3 CHARS) : 176


   DATA LOGGED :10 SEPT 1979          DATA ANALYZED : 27 SEPT 1979
        LOGGER : DB-301/26                  SITE CODE : 00326
SERIAL NUMBER : 1212                        JOB CODE : 176
      BASELINE : 60 DB                      USER CODE : 4822
DYNAMIC RANGE : 64 DB                      THRESHOLD : [illegible]
SAMPLING RATE :  4/SEC                 TOTAL SAMPLES = 115200
TEST DURATION =   8: 0: 0              STANDBY TIME =  0: 7:25

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
TOGA DOSE = [illegible] / [illegible] HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = [illegible] DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          TOSHA                          DOSE
HOUR    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1      67.8      67.8          .574       .57
   2      92.1      87.4        16.805     17.38
   3     101.4      95.3        60.479     77.86
   4     104.8      99.0        97.347    175.20
   5      91.3      98.0        14.960    190.16
   6     101.8      98.8        64.177    254.34
   7     101.3      99.2        60.067    314.41
   8      93.9      98.7        21.440    335.85
MIN. COMP. =  60 DB              MAX. COMP. = 110 DB
ARITHMETIC MEAN =  88 DB
STD. DEVIATION =  17 DB
VARIANCE =289 DB
```

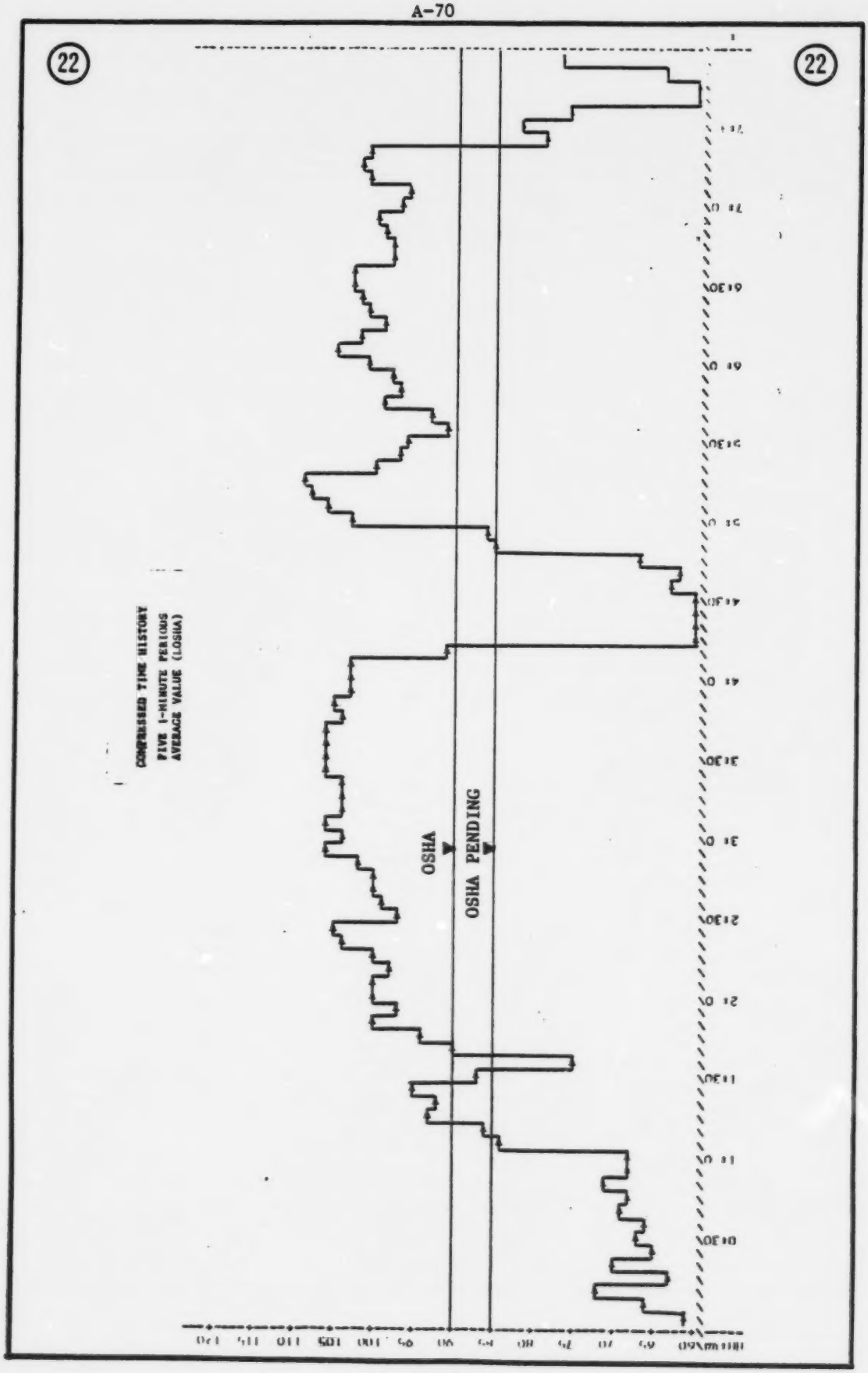
AMPLITUDE DISTRIBUTION

(22)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
82	17.1	60 TO 64
30	6.3	65 TO 69
21	4.4	70 TO 74
18	3.8	75 TO 79
14	2.9	80 TO 84
9	1.9	85 TO 89
54	11.3	90 TO 94
64	13.3	95 TO 99
122	25.4	100 TO 104
65	13.5	105 TO 109
1	.2	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




22
22
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIOUS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

23

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

1 26 80 1218 60 64 4 1

204 115200 480

66	69	66	61	63	67	69	64	63	68	72	73	62	65	66	76
75	76	63	63	60	61	71	68	70	74	75	79	71	69	69	69
60	65	65	65	73	75	71	63	74	69	65	71	71	64	60	67
65	64	66	62	67	60	60	62	60	60	61	60	60	60	60	60
64	63	62	70	68	68	69	63	60	62	60	60	60	60	60	60
60	66	60	60	60	61	61	66	82	80	94	100	91	90	88	87
91	90	90	91	91	91	90	90	91	90	99	92	96	86	85	84
84	85	85	85	85	86	85	83	84	88	92	90	95	89	85	85
87	93	85	84	88	100	91	91	93	88	87	89	87	87	88	92
92	90	88	91	91	91	92	88	92	88	88	87	87	87	88	86
91	88	88	88	88	89	90	88	88	86	87	85	86	87	88	87
93	95	99	85	83	85	87	91	86	85	88	87	85	87	93	89
86	86	85	86	85	85	86	85	85	85	85	89	88	84	85	90
86	89	98	85	85	85	86	88	89	84	86	91	91	85	89	98
93	88	95	94	92	93	80	84	80	66	76	95	97	94	99	97
94	95	97	99	96	78	95	98	79	78	75	61	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	61	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	62
63	60	62	60	60	60	60	60	60	60	60	60	60	60	60	60
60	62	60	60	60	60	60	60	66	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
60	60	60	63	60	60	60	60	60	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	61	64	60	60
60	60	61	64	60	61	71	84	82	90	98	95	100	90	84	90
89	87	90	86	90	96	96	102	98	92	92	91	88	91	90	89
89	91	91	90	92	90	91	91	92	97	93	100	105	104	95	95
92	91	96	94	91	94	94	93	95	98	92	91	91	88	73	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60

&EOF

ENTER LOG DATE (DD/MM/YR) : 10/09/79
ENTER SITE CODE (5 CHARS) : 00326
ENTER USER CODE (4 CHARS) : 4746
ENTER JOB CODE (3 CHARS) : 176

DATA LOGGED :10 SEPT 1979
LOGGER : DB-301/26
SERIAL NUMBER : 1218
BASELINE : 60 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE : 4/SEC
TEST DURATION = 8: 0: 0

DATA ANALYZED : 27 SEPT 1979
SITE CODE : 00326
JOB CODE : 176
USER CODE : 4746
THRESHOLD : [illegible]
TOTAL SAMPLES = 115200
STANDBY TIME = [illegible]

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = [illegible]
THRESHOLD (CUTOFF) LEVEL = [illegible] DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

TIME	LOSHA		WOOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	68.6	68.6	.647	.65
2	85.9	81.5	7.041	7.69
3	89.9	85.5	12.319	20.01
4	89.6	86.7	11.758	31.77
5	81.6	86.0	3.892	35.66
6	80.4	84.7	.206	35.86
7	81.0	84.3	3.574	39.44
8	92.2	85.9	16.898	56.34

MIN. COMP. = 60 DB
MAX. COMP. = 105 DB
ARITHMETIC MEAN = 74 DB
STD. DEVIATION = 14 DB
VARIANCE = 195 DB

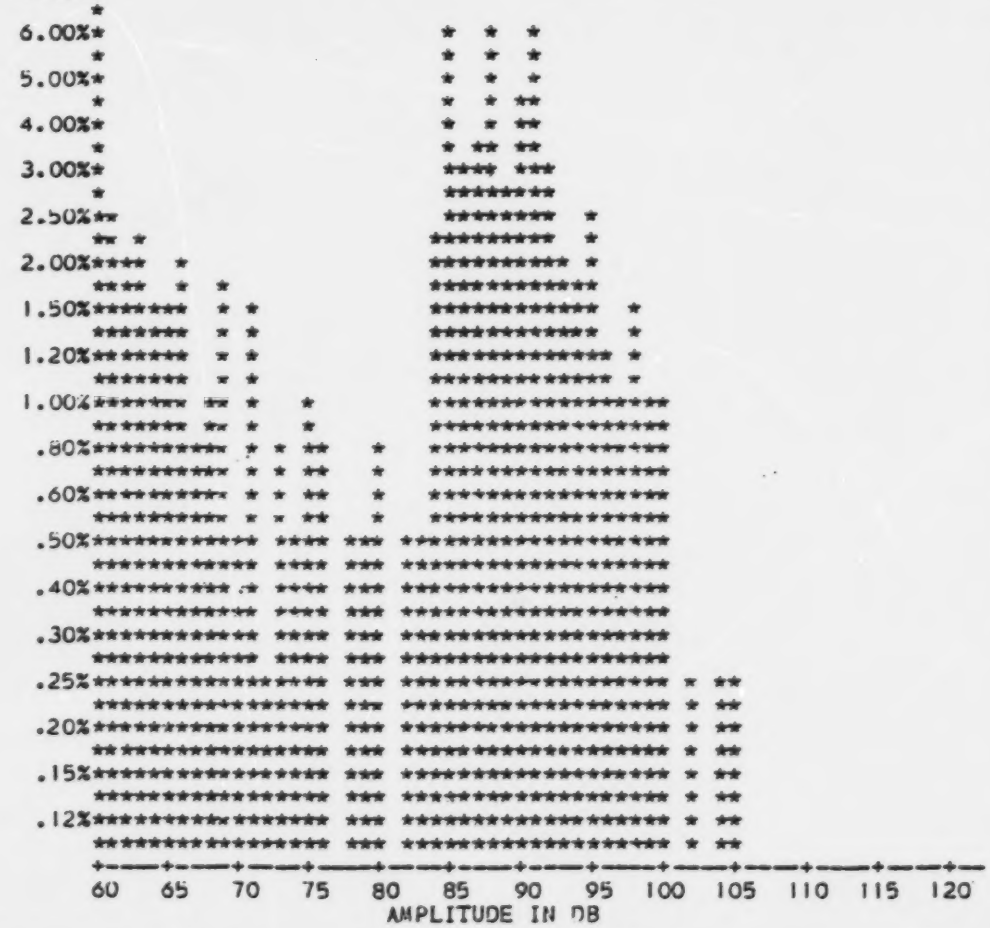
AMPLITUDE DISTRIBUTION

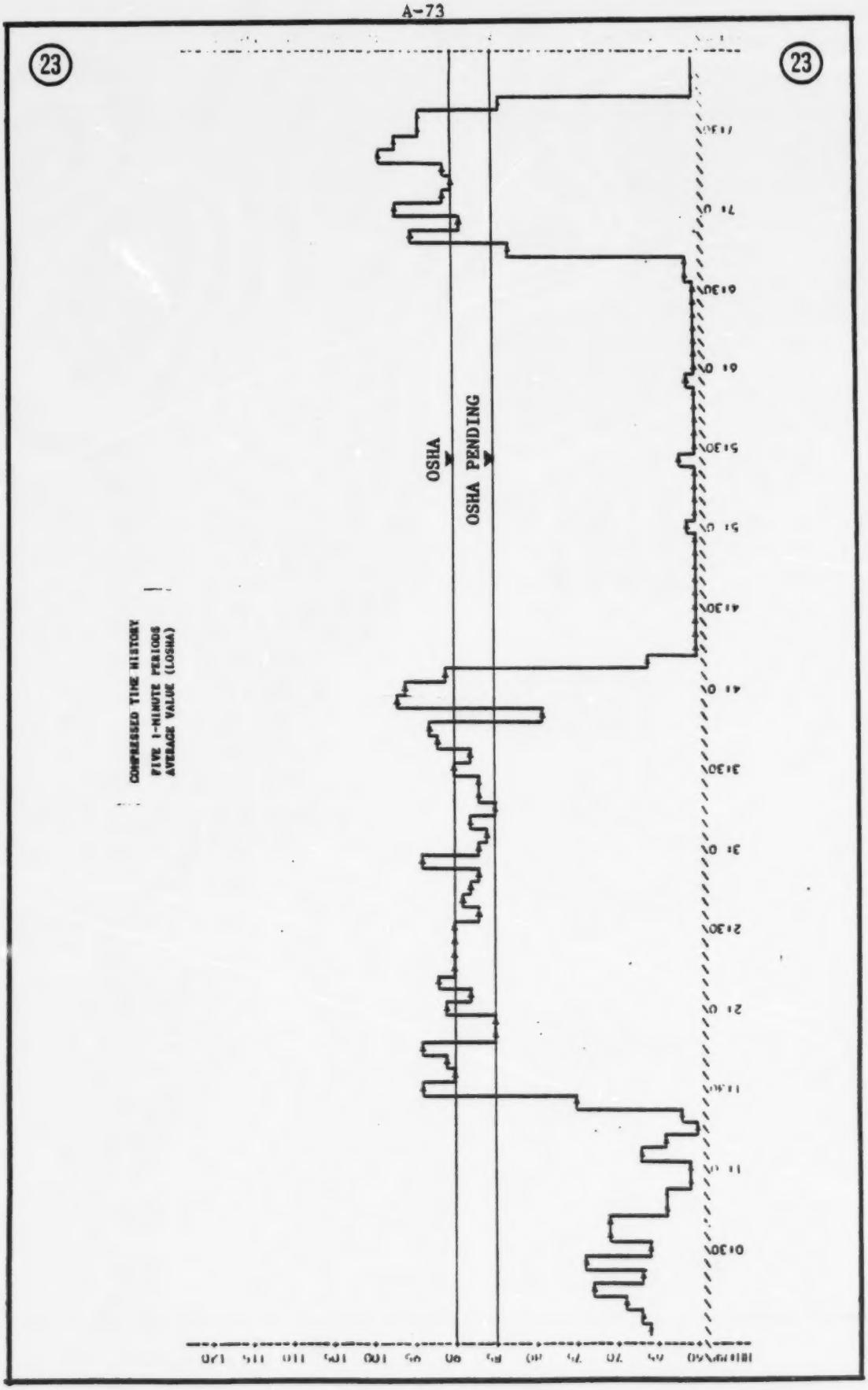
(23) (23)

FREQUENCY DISTRIBUTION

FREQUENCY		GROUP
NUMBER	PER CENT	
215	44.8	60 TO 64
28	5.8	65 TO 69
14	2.9	70 TO 74
11	2.3	75 TO 79
16	3.3	80 TO 84
89	18.5	85 TO 89
71	14.8	90 TO 94
29	6.0	95 TO 99
6	1.3	100 TO 104
1	.2	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




23
23
OSHA
OSHA PENDING
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)

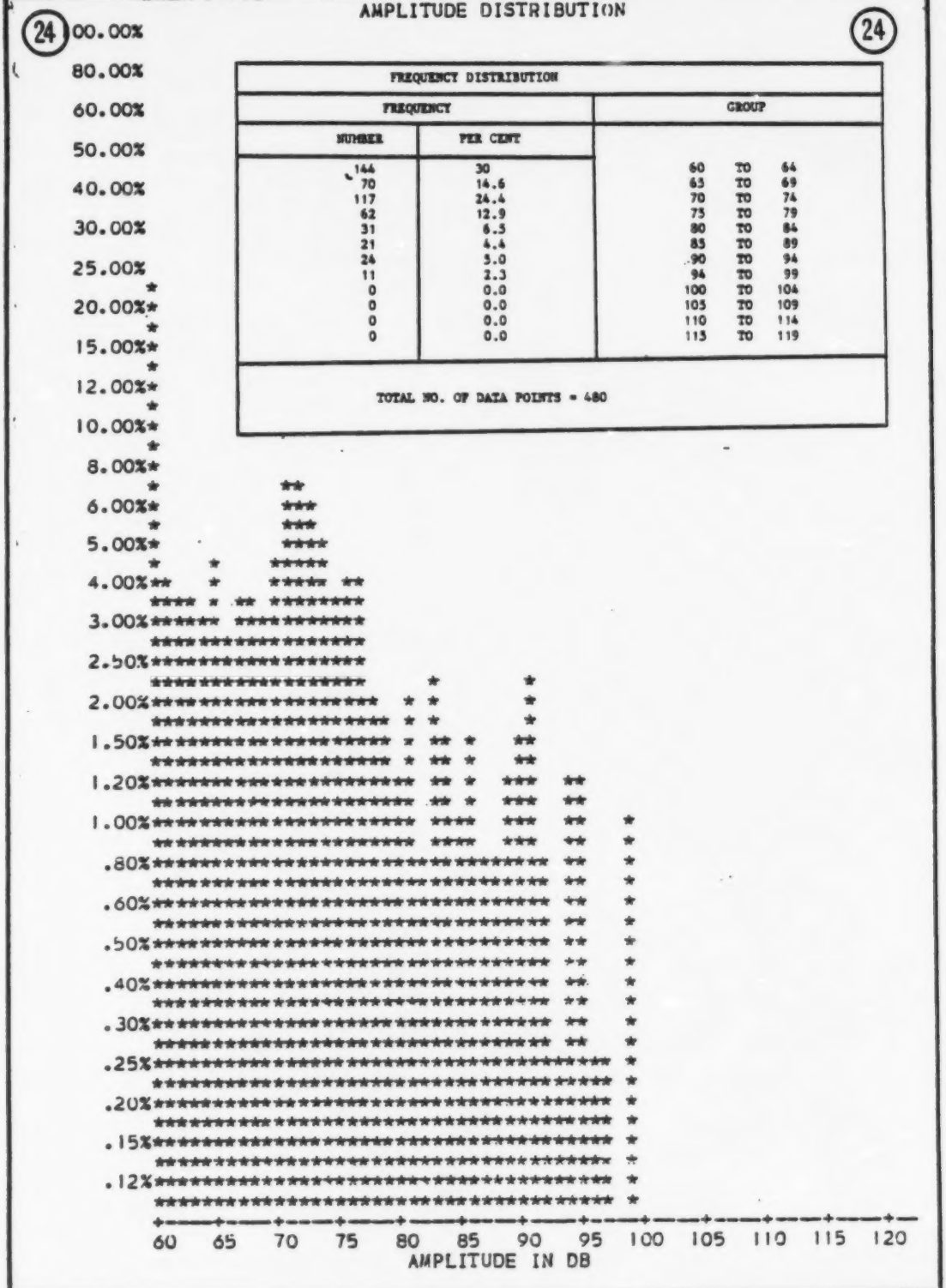
(24) (24)

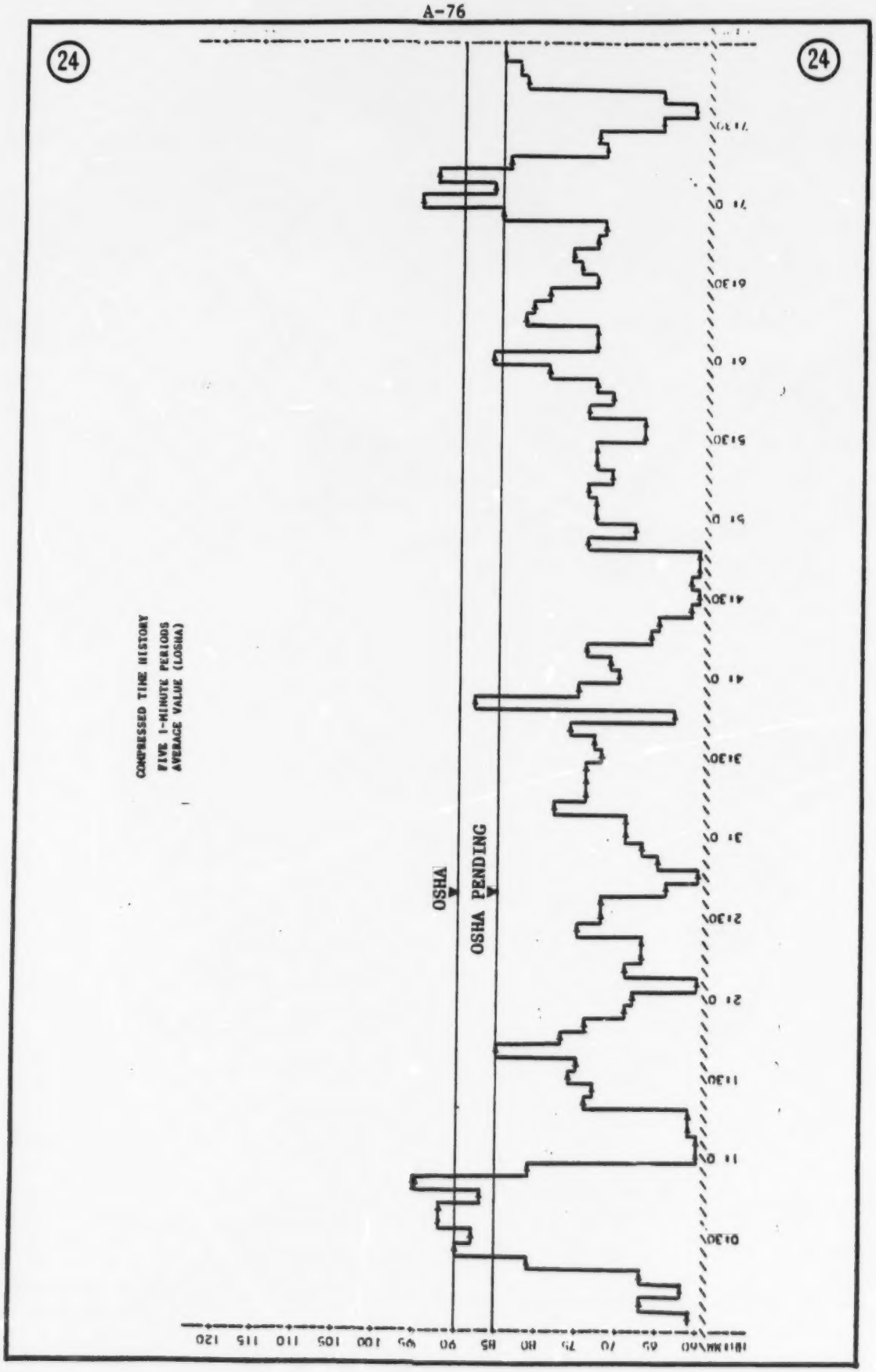
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1213   60   64    4    1
  14588    115200  480
  60  60  63  60  60  60  61  75  62  61  63  61  63  60  61  62
  60  64  70  71  70  63  64  87  87  91  89  90  91  88  83  80
  92  89  90  95  71  81  90  99  95  95  94  86  65  67  89  89
  86  91  96  99  94  91  91  90  82  60  62  60  60  60  60  60
  60  60  60  60  61  60  60  62  60  60  61  62  61  60  62  60
  61  65  60  63  84  67  79  72  67  74  77  72  63  72  83  71
  72  81  77  64  83  81  86  88  85  83  74  73  75  75  74  77
  75  75  65  69  72  65  70  67  67  70  69  65  67  62  60  60
  60  60  60  73  63  74  68  66  60  60  63  75  64  60  64  70
  71  80  74  71  75  71  71  71  78  68  66  72  71  67  74  72
  72  60  60  60  60  60  60  60  62  60  60  64  70  65  60  64
  66  71  66  65  70  61  65  73  72  69  61  73  64  72  84  71
  78  72  74  76  73  70  68  77  74  71  76  66  77  77  70  74
  67  76  71  70  74  76  65  65  61  76  77  74  72  67  73  73
  83  68  62  60  60  60  60  60  62  82  99  84  70  71  64  71
  71  65  73  74  60  74  68  65  73  71  70  69  79  76  71  69
  63  68  66  60  73  60  60  60  60  63  60  60  60  60  60  60
  60  60  60  60  60  60  60  65  60  60  60  60  60  60  60  60
  60  60  60  61  81  73  74  72  60  65  64  72  67  72  72  73
  77  73  70  71  71  76  70  80  68  71  72  73  64  73  67  73
  66  77  76  72  64  72  75  74  69  72  72  65  69  60  61  69
  67  63  61  71  65  76  69  77  75  72  73  68  68  73  70  71
  69  74  78  75  74  85  79  76  97  75  71  68  72  77  70  65
  76  68  78  70  63  75  68  66  66  79  91  79  76  90  71  75
  72  76  81  75  78  81  74  77  73  72  65  73  76  72  74  77
  77  70  66  84  60  73  68  61  77  76  72  73  72  73  69  72
  78  83  90  88  91  94  94  99  95  89  86  91  76  68  92  93
  94  95  91  92  80  83  75  63  73  60  71  60  79  60  78  66
  77  71  63  62  67  67  62  62  62  60  60  61  60  60  69  60
  68  83  85  79  78  81  81  80  82  84  86  83  86  84  87  85
%EOF


ENTER LOG DATE (DD/MM/YR) : 31/07/79
ENTER SITE CODE (5 CHARS) : ?????
ENTER USER CODE (4 CHARS) : 4816
 ENTER JOB CODE (3 CHARS) : 000


   DATA LOGGED :31 JULY 1979
       LOGGER : DB-301/26
SERIAL NUMBER : 1213
     BASELINE : 60 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE :  4/SEC
TEST DURATION =   8: 0: 0

DATA ANALYZED : 20 SEPT 1979
     SITE CODE : ?????
      JOB CODE : 000
     USER CODE : 4816
     THRESHOLD :  80 DB
TOTAL SAMPLES =  115200
 STANDBY TIME =   1: 0:47

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                      %DOSE
HOUR    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1      86.8      86.8          8.052      8.05
   2      74.4      83.0          1.432      9.48
   3      68.5      80.5           .633     10.12
   4      76.5      79.7          1.924     12.04
   5      67.7      78.5           .570     12.61
   6      72.8      77.8          1.159     13.77
   7      79.0      78.0          2.719     16.49
   8      85.0      79.3          6.249     22.74
MIN. COMP. =  60 DB              MAX. COMP. =  99 DB
ARITHMETIC MEAN =  71 DB
STD. DEVIATION =  10 DB
VARIANCE =100 DB
```

AMPLITUDE DISTRIBUTION

(24) (24)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
144	30	60 TO 64
70	14.6	65 TO 69
117	24.4	70 TO 74
62	12.9	75 TO 79
31	6.5	80 TO 84
21	4.4	85 TO 89
24	5.0	90 TO 94
11	2.3	94 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119
TOTAL NO. OF DATA POINTS = 480		




24
24
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0:30
1:0
1:30
2:0
2:30
3:0
3:30
4:0
4:30
5:0
5:30
6:0
6:30
7:0
7:30
60
65
70
75
80
85
90
95
100
105
110
115
120

(25)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1218    60    64     4     1
     55      115200   480
  60  60  60  60  63  60  60  70  76  69  61  60  60  60  65  69
  63  66  68  62  67  66  71  65  69  83  90  72  60  78  60  60
  61  60  60  75  63  69  86  65  61  70  72  81  66  60  75  63
  77  83  88  90  99  95  91  86  89  87  66  61  66  60  60  60
  60  60  60  60  61  60  60  60  60  60  60  60  60  60  61  60
  60  61  66  60  69  72  85  77  79  77  73  80  83  81  80  89
  90  75  74  81  71  77  80  81  84  83  84  79  74  81  77  79
  73  79  79  73  67  74  80  78  75  80  73  75  75  73  83  73
  70  66  71  71  72  82  84  78  74  73  72  77  78  68  77  71
  76  77  82  83  72  80  74  81  79  81  80  79  73  73  74  76
  76  78  72  68  60  60  60  60  60  65  65  60  61  77  73  63
  61  79  72  71  73  75  76  78  73  71  71  78  72  78  64  78
  82  77  78  80  80  80  80  81  82  83  82  81  75  73  80  81
  74  78  66  77  79  76  80  72  63  67  76  71  71  78  71  73
  81  82  83  66  62  67  60  60  60  60  81  81  99  85  73  78
  73  70  76  73  79  68  72  78  79  81  81  78  79  78  84  78
  74  68  67  74  66  73  78  69  66  60  62  66  60  61  60  60
  60  60  60  60  60  60  60  60  60  67  60  60  60  60  60  60
  60  64  89  79  60  63  81  67  70  75  66  72  75  79  68  75
  74  74  78  76  68  72  76  76  77  81  74  76  79  70  69  71
  61  65  66  75  74  68  68  80  80  71  76  74  83  71  63  68
  77  61  81  67  71  77  65  79  68  76  69  68  68  65  69  69
  69  76  77  65  70  70  69  84  76  85  99  77  72  70  69  75
  71  66  76  71  79  70  73  66  76  77  76  84  88  71  79  92
  79  80  79  82  77  75  74  76  75  72  69  74  60  74  71  76
  74  75  72  69  65  82  64  73  66  72  82  78  80  77  70  73
  79  80  81  91  93  93  95  97  99  97  98  86  86  90  72  80
  93  94  95  95  95  88  82  82  69  67  71  71  75  66  81  61
  83  79  82  74  65  62  66  62  71  79  95 100 100  93  63  70
  96  98 103  99  98  82  83  94  93  66  60  60  60  94  98 103
%EOF
```

(25)

```
ENTER LOG DATE (DD/MM/YR) : 31/07/79
ENTER SITE CODE (5 CHARS) : SHAJI
ENTER USER CODE (4 CHARS) : 4759
 ENTER JOB CODE (3 CHARS) : 000
```

```
   DATA LOGGED :31 JULY 1979          DATA ANALYZED : 20 SEPT 1979
        LOGGER : DB-301/26                SITE CODE : SHAJI
SERIAL NUMBER : 1218                       JOB CODE : 000
      BASELINE : 60 DB                     USER CODE : 4759
 DYNAMIC RANGE : 54 DB                     THRESHOLD : 60 DB
 SAMPLING RATE : 4/SEC                TOTAL SAMPLES = 115200
 TEST DURATION = 8: 0: 0               STANDBY TIME = 01 0:13
```

TIME HISTORY ANALYSIS

```
NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 60 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

TIME	LOGIA		DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	80.2	80.2	3.202	3.20
2	76.7	78.6	1.978	5.18
3	75.4	77.7	1.659	6.84
4	79.2	78.1	2.796	9.63
5	73.2	77.4	1.225	10.86
6	74.3	76.9	1.425	12.28
7	79.9	77.5	3.091	15.38
8	91.6	81.6	15.667	31.04

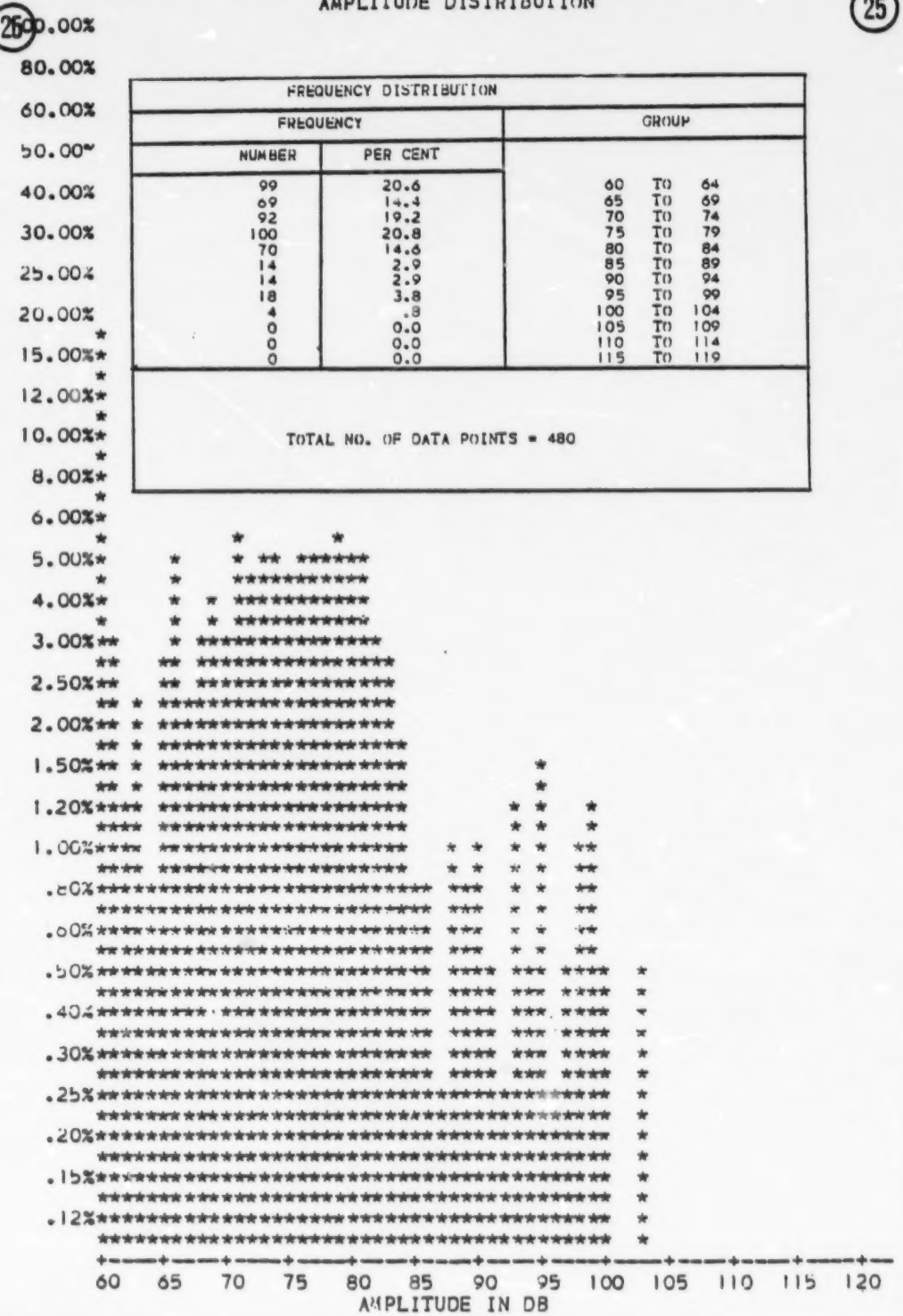
```
MIN. COMP. =  60 DB                MAX. COMP. = 103 DB
ARITHMETIC MEAN =  73 DB
STD. DEVIATION =  10 DB
VARIANCE =100 DB
```

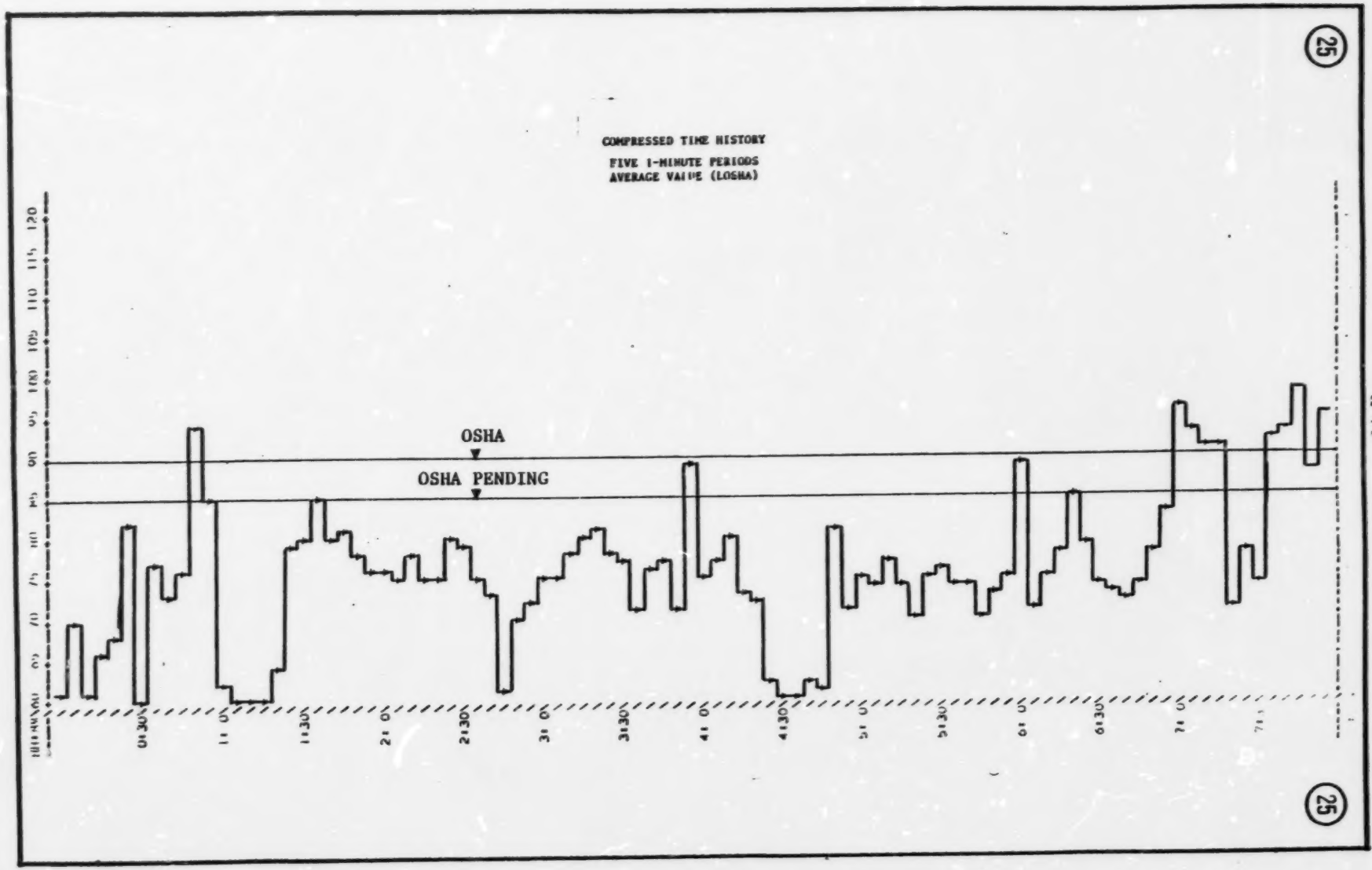
AMPLITUDE DISTRIBUTION

(25) (25)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
99	20.6	60 TO 64
69	14.4	65 TO 69
92	19.2	70 TO 74
100	20.8	75 TO 79
70	14.6	80 TO 84
14	2.9	85 TO 89
14	2.9	90 TO 94
18	3.8	95 TO 99
4	.8	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




25
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
25

(26)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1213    60    64     4     1
        48      115200   480
 60  60  61  60  60  60  60  60  60  62  60  60  60  60  60  60
 60  60  60  60  60  60  60  69  71  60  63  60  63  60  61  71
 61  63  60  64  60  61  62  62  63  66  60  62  63  63  63  67
 62  86  85  81  83  62  60  60  60  60  77  60  60  60  73  64
 60  60  60  60  60  60  60  60  60  60  60  78  60  60  68  72
 72  60  60  72  85  60  78  71  75  86  78  69  71  74  79  84
 82  83  81  78  81  81  84  82  82  82  75  82  80  70  75  65
 69  69  67  74  79  72  60  64  76  83  85  77  83  84  99 102
 93  86  89  86  72  60  60  60  78  64  87  83  92  81  80  86
 86  82  79  76  71  72  74  86  81  81  83  75  76  72  81  75
 84  85  84  89  78  84  73  68  70  73  67  61  73  72  74  65
 70  79  78  78  72  70  67  67  71  60  64  60  78  67  68  63
 64  72  70  79  82  78  62  74  79  73  73  76  71  73  66  75
 65  80  84  76  77  78  76  79  85  78  70  60  64  79  74  73
 67  72  70  78  68  63  75  73  73  64  62  61  60  60  73  74
 68  70  62  69  73  73  76  71  60  66  76  61  63  60  74  75
 84  83  73  75  76  75  73  76  90  82  71  75  76  88  71  75
 76  69  62  65  60  60  60  60  60  60  60  61  70  60  60  60
 60  60  60  60  79  60  67  73  60  80  82  75  75  78  60  60
 60  60  60  60  70  76  60  84  60  68  60  60  81  72  80  69
 93  78  78  91  91  89  91  90  91  90  90  85  84  92  91  85
 66  68  75  69  66  64  60  62  60  66  62  60  60  62  68  62
 61  65  61  60  63  65  60  60  61  60  63  60  60  64  66  70
 66  60  66  60  62  62  60  61  67  62  66  67  67  72  78  75
 74  70  66  60  62  68  60  67  62  77  87  91  84  89  84  84
 84  85  83  84  82  81  82  84  83  84  83  87  95  74  60  60
 63  60  60  61  60  60  61  60  60  60  63  60  63  69  69  66
 60  60  60  61  60  60  71  62  76  67  79  89  96 101 101  81
 60  60  63  96  92  89  89  89  92 103  99  92  96 103  89  84
 83  85  76  64  85  84  72  80  73  68  62  60  60  70  90  73
EOF
```

(26)

```
ENTER LOG DATE (DD/MM/YR) : 17/08/79
ENTER SITE CODE (5 CHARS) : ISHAF
ENTER USER CODE (4 CHARS) : 4692
 ENTER JOB CODE (3 CHARS) : CON
```

```
   DATA LOGGED :17  AUG 1979
        LOGGER : 08-301/26
SERIAL NUMBER : 1213
      BASELINE : 50 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE :  4/SEC
TEST DURATION =   8H 0M 0
```

```
DATA ANALYZED : 21 SEPT 1979
    SITE CODE : ISHAF
     JOB CODE : CON
    USER CODE : 4692
    THRESHOLD :  60 DB
TOTAL SAMPLES =  115200
 STANDBY TIME =   0H 0M12
```

TIME HISTORY ANALYSIS

```
NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% LOSS = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 60 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

TIME	LOSS		NOISE	
MIN	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	70.1	70.1	.793	.79
2	75.1	73.0	1.583	2.38
3	63.9	78.6	5.333	7.71
4	74.5	77.8	1.449	9.16
5	74.4	77.2	1.433	10.59
6	80.7	77.9	3.448	14.04
7	78.8	78.0	2.643	16.68
8	88.0	80.3	9.446	26.13

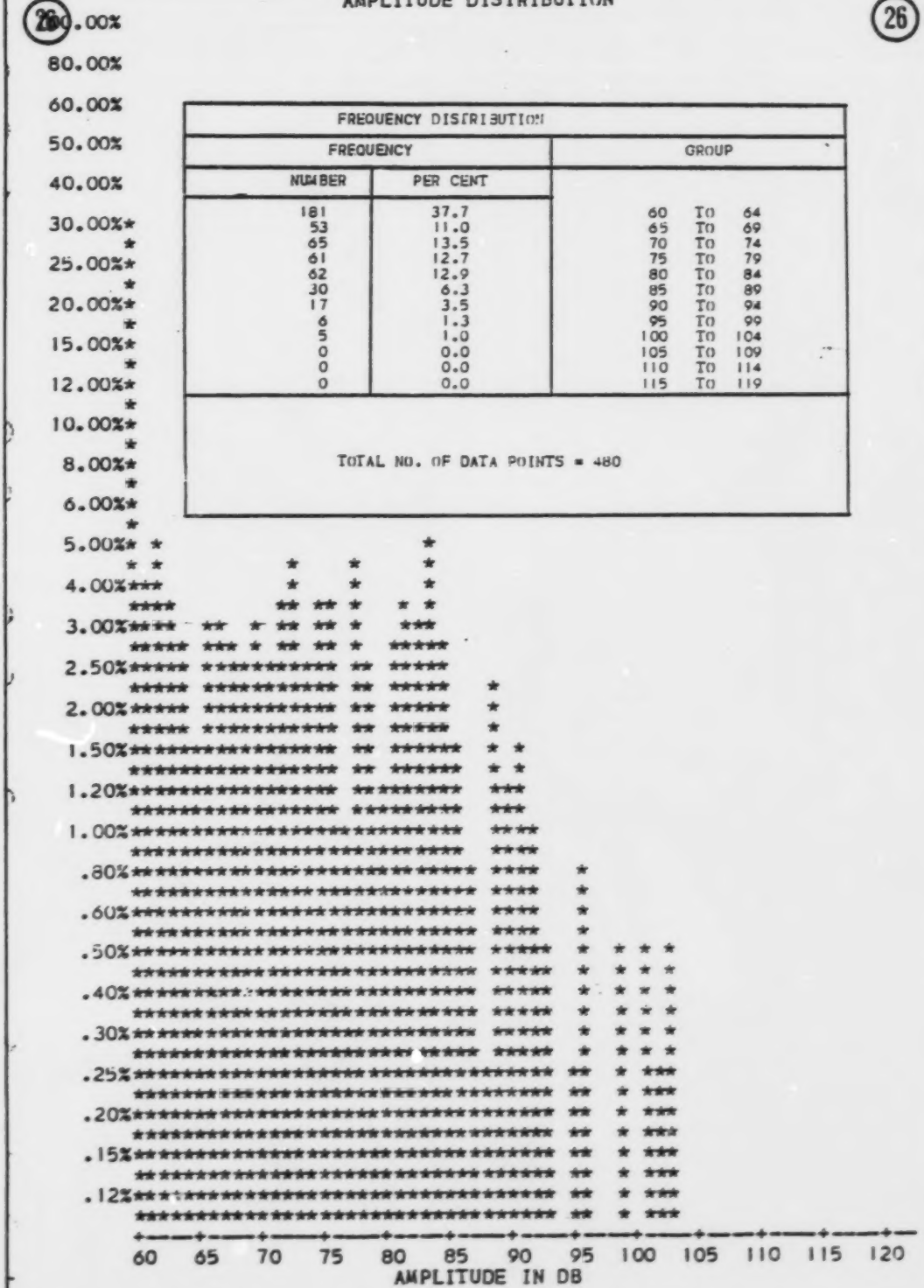
```
MIN. COMP. =  60 DB
ARITHMETIC MEAN =  71 DB
STD. DEVIATION =  11 DB
VARIANCE =121 DB
MAX. COMP. =  103 DB
```

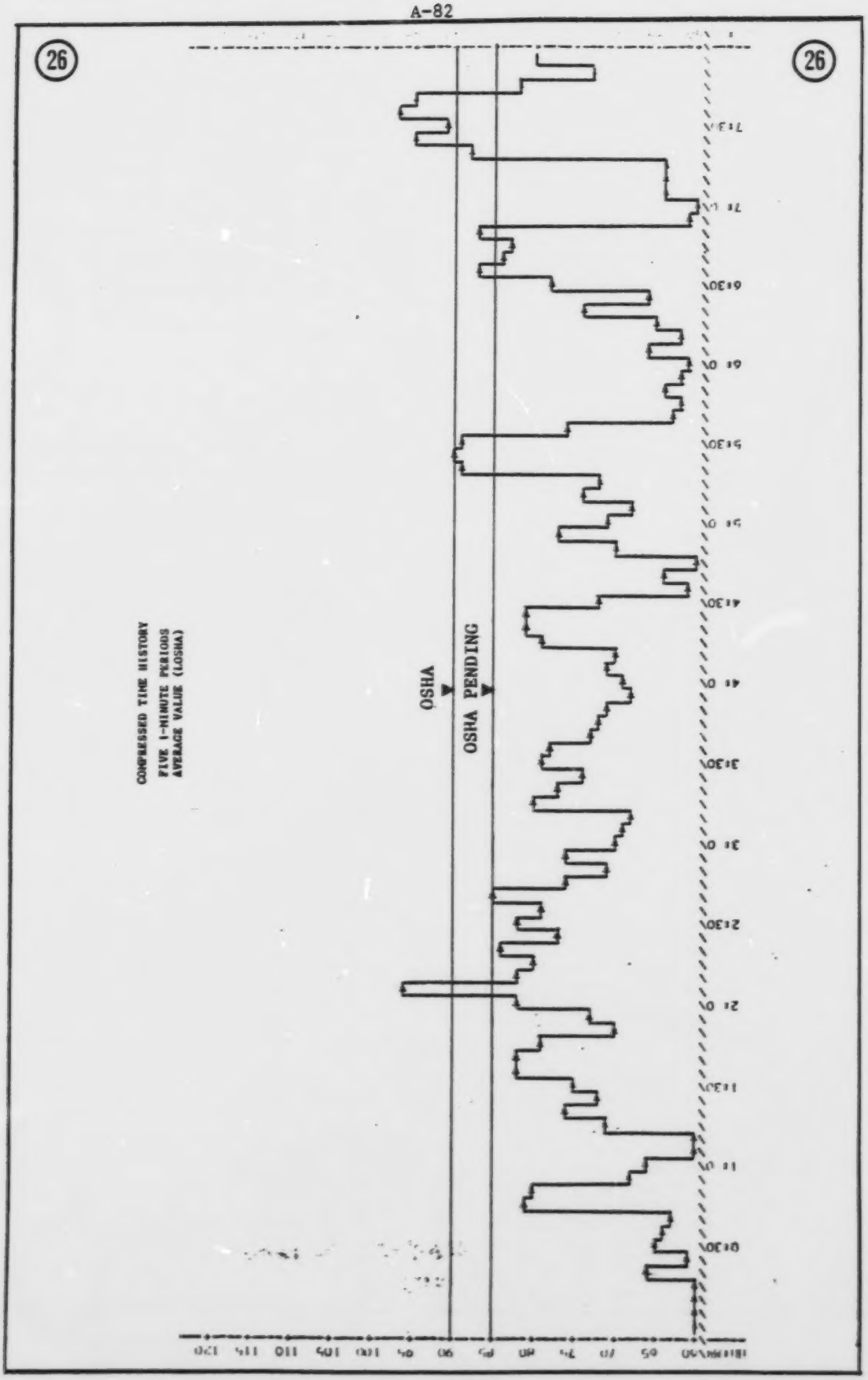
AMPLITUDE DISTRIBUTION

(26) (26)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
181	37.7	60 To 64
53	11.0	65 To 69
65	13.5	70 To 74
61	12.7	75 To 79
62	12.9	80 To 84
30	6.3	85 To 89
17	3.5	90 To 94
6	1.3	95 To 99
5	1.0	100 To 104
0	0.0	105 To 109
0	0.0	110 To 114
0	0.0	115 To 119

TOTAL NO. OF DATA POINTS = 480




26
26
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0:30
1:30
2:30
3:30
4:30
5:30
6:30
7:30
120
115
110
105
100
95
90
85
80
75
70
65
60

(27)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1218   60   64    4    1
      37    115200  480
  60  60  60  60  60  60  60  69  60  60  60  60  60  60  64  60
  60  60  62  60  60  60  60  60  60  61  60  60  60  60  60  60
  60  60  63  61  60  60  60  77  93 100  91  95  93  85  83  81
  63  63  76  84  71  60  74  60  65  60  73  71  76  64  67  85
  72  79  76  72  76  76  65  72  84  81  66  68  68  67  79  91
  83  80  88  62  63  80  60  60  60  60  64  60  60  60  60  60
  78  66  60  60  81  61  60  85  60  60  60  60  60  60  60  67
  60  80  60  60  76  84  60  63  67  83  82  82  87  83  62  60
  60  60  76  60  83  73  60  60  76  78  65  60  76  73  60  60
  60  69  86  60  71  78  86  84  63  62  75  91  65  83  81  88
  91  90  85  89  69  74  69  60  69  80  89  86  91  84  83  85
  84  81  84  88  88  92  95  89  91  89  90  89  90  89  89  88
  88  88  90  89  92  91  94  86  86  85  88  86  87  89  85  86
  90  90  88  92  90  86  87  89  94  97  99  98  92  97  93  97
  97  99  96  96  94  97  99  98  96  94  96  94  96  96  94  98
  93  94  89  91  87  83  96  82  77  71  82  74  83  75  68  60
  60  60  62  66  66  68  69  61  60  81  74  80  65  64  62  60
  60  60  60  60  62  60  60  60  60  63  60  62  67  60  62  65
  61  67  64  60  79  75  74  80  80  81  89  74  67  71  68  87
  90  87  88  87  87  87  87  88  88  88  74  60  60  60  60  60
  61  60  60  60  60  60  61  69  64  62  62  64  66  60  60  60
  60  60  60  60  60  60  60  60  61  60  60  62  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  63  66  63  60
  64  60  61  60  72  84  82  82  84  82  83  93  88  66  60  60
  60  60  60  60  60  60  60  60  65  62  60  60  60  60  60  60
  60  60  60  67  72  90  93  88  92  87  80  85  94  88  90  89
%EOF
```

(27)

```
ENTER LOG DATE (DD/MM/YR) : 17/08/79

ENTER SITE CODE (5 CHARS) : ISHAF

ENTER USER CODE (4 CHARS) : 4727
 ENTER JOB CODE (3 CHARS) : 240
```

```
    DATA LOGGED :17  AUG 1979          DATA ANALYZED : 25 SEPT 1979
        LOGGER : DB-301/2B                SITE CODE : ISHAF
SERIAL NUMBER : 1218                       JOB CODE : 240
      BASELINE : 60 DB                    USER CODE : 4727
DYNAMIC RANGE : 64 DB                     THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC              TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0            STANDBY TIME =   0: 0: 9
```

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

TIME	LOSHA		%DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	79.1	79.1	2.758	2.76
2	75.4	77.5	1.644	4.40
3	81.4	79.0	3.775	8.18
4	92.9	85.5	18.610	26.79
5	79.1	84.6	2.750	29.54
6	76.4	83.7	1.889	31.43
7	60.0	82.7	.195	31.62
8	80.4	82.4	3.287	34.91

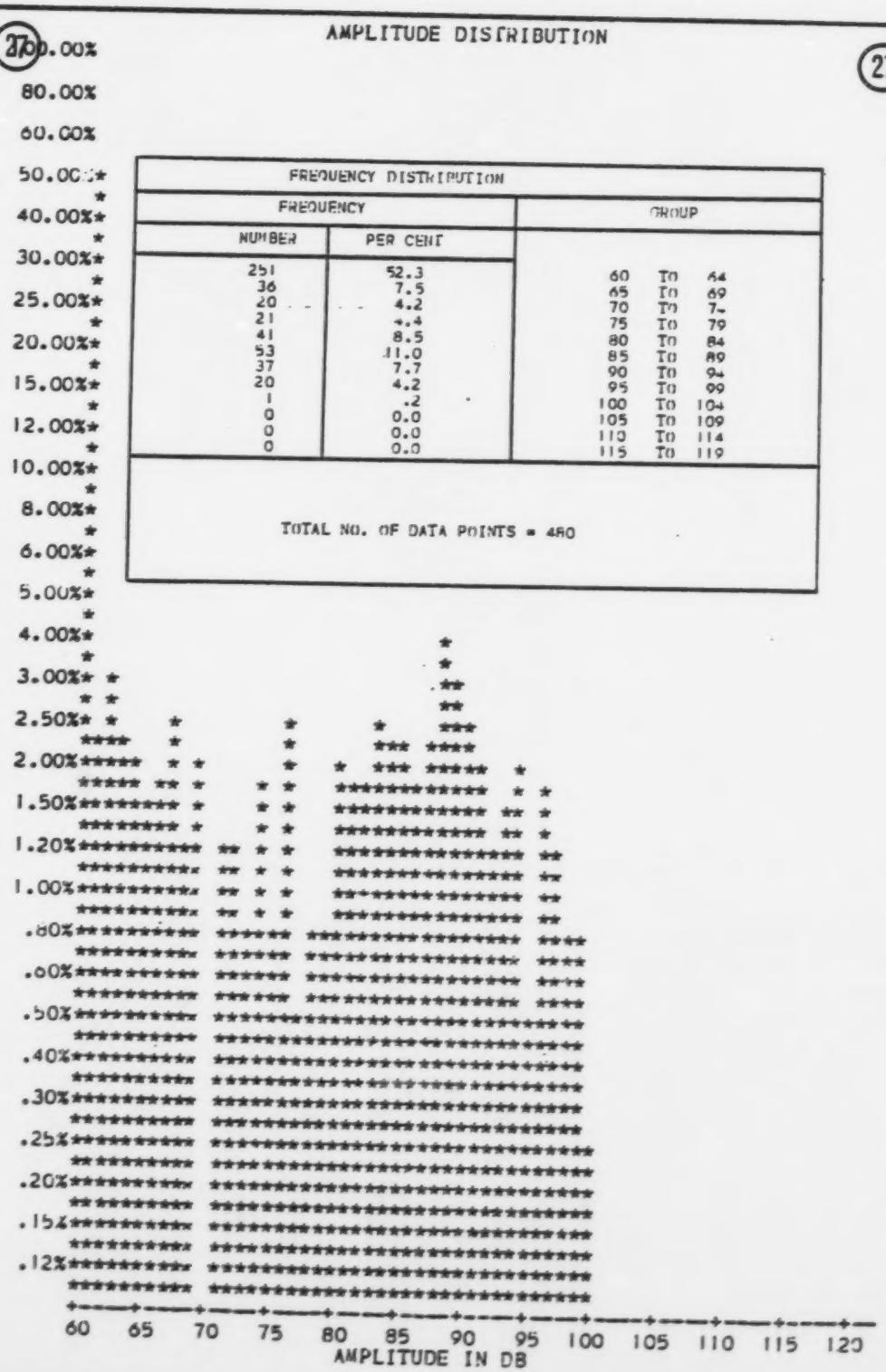
MIN. COMP. = 60 DB MAX. COMP. = 100 DB
ARITHMETIC MEAN = 70 DB
STD. DEVIATION = 13 DB
VARIANCE =169 DB

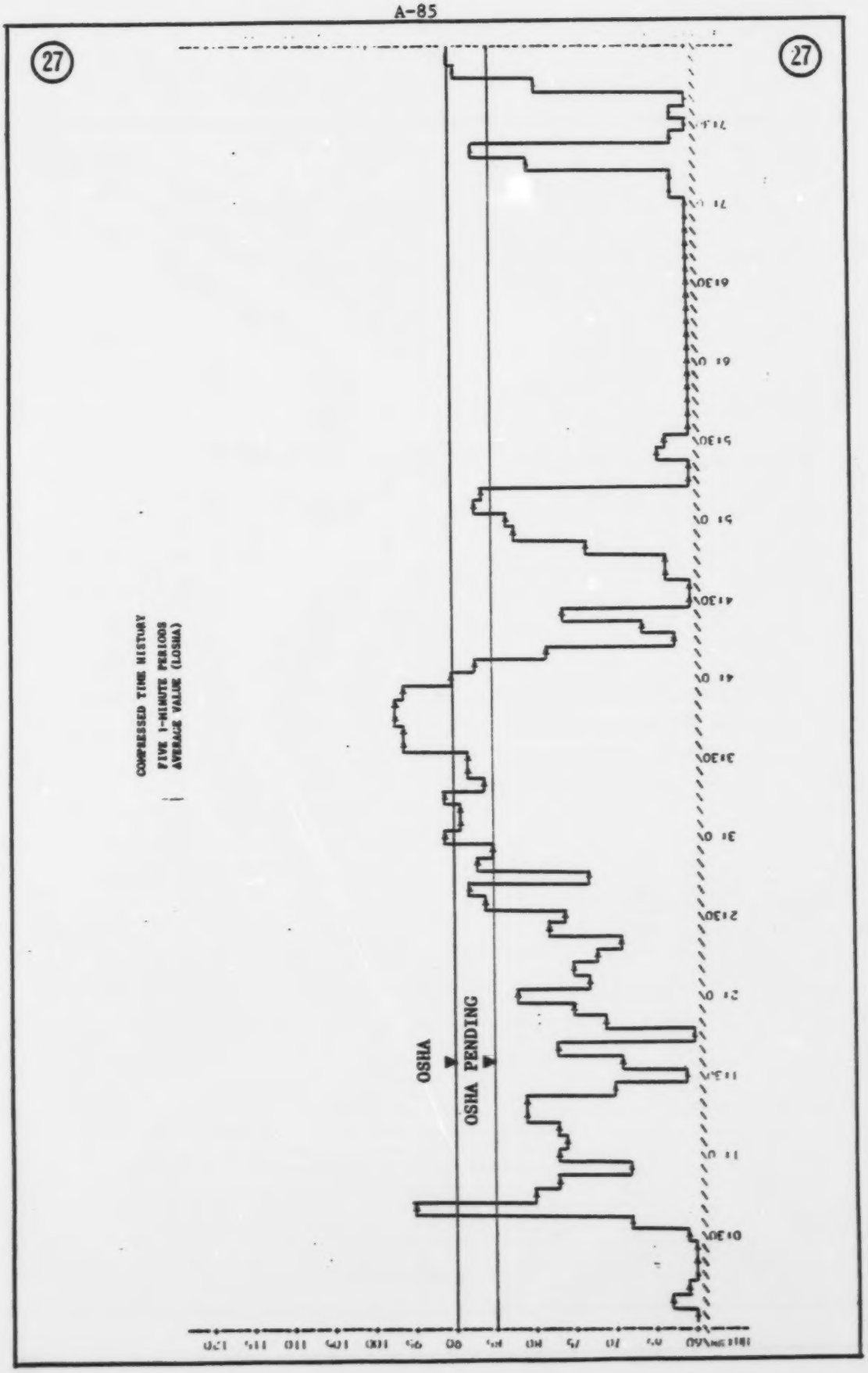
AMPLITUDE DISTRIBUTION

(27) (27)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
251	52.3	60 To 64
36	7.5	65 To 69
20	4.2	70 To 74
21	4.4	75 To 79
41	8.5	80 To 84
53	11.0	85 To 89
37	7.7	90 To 94
20	4.2	95 To 99
1	.2	100 To 104
0	0.0	105 To 109
0	0.0	110 To 114
0	0.0	115 To 119

TOTAL NO. OF DATA POINTS = 480




27
27
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
01:30
11
11:30
2
21:30
3
31:30
4
41:30
5
51:30
6
61:30
7

(28)

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
1 26 80 1212 60 64 4 1
37340 91317 380

60	60	60	68	72	65	69	65	60	60	61	60	60	60	60	60
62	65	61	60	70	60	60	60	60	60	60	60	60	60	60	60
69	71	74	80	80	88	99	84	86	89	92	92	83	85	88	75
98	86	67	61	60	60	62	60	60	60	60	70	60	63	60	62
52	85	61	65	60	63	60	60	64	65	70	62	60	60	82	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	62
74	81	60	68	60	80	86	73	95	95	73	74	75	94	77	71
64	63	60	95	77	61	60	60	60	60	60	60	60	60	60	60
60	60	60	60	60	60	60	61	60	60	60	60	60	60	60	60
60	60	60	60	60	60	60	62	60	60	60	60	60	60	60	60
60	60	86	92	92	92	92	92	91	92	92	85	88	83	87	90
97	87	60	60	60	60	67	62	60	60	60	60	60	60	60	60
60	60	60	62	60	61	64	61	60	60	63	60	60	60	60	67
60	62	62	60	64	64	62	60	67	66	60	62	63	67	62	63
64	63	66	74	61	66	61	65	63	61	66	62	61	62	71	62
60	61	60	64	67	73	72	61	60	60	60	60	60	60	60	60
71	72	67	64	76	79	64	63	68	60	73	71	71	60	63	65
60	66	60	60	61	60	61	64	64	60	61	60	60	62	60	63
65	75	78	95	94	83	81	86	84	92	91	95	94	95	95	89
94	95	96	95	94	97	93	97	96	96	84	87	94	92	86	88
89	89	82	87	86	79	74	74	73	82	86	85	81	85	90	84
90	87	79	61	70	77	63	68	66	67	72	73	76	65	71	80
66	60	60	60	60	60	64	60	60	76	69	60	60	60	60	72
69	60	60	65	73	60	60	62	73	70	63	62	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60

%EOF

(28)

ENTER LOG DATE (DD/MM/YR) : 23/08/79

ENTER SITE CODE (5 CHARS) : 36950

ENTER USER CODE (4 CHARS) : 4135

ENTER JOB CODE (3 CHARS) : 240

DATA LOGGED :23 AUG 1979
LOGGER : CEL-301/26
SERIAL NUMBER : 1212
BASELINE : 60 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE : 4/SEC
TEST DURATION = 6:20:29

DATA ANALYZED : 25 SEPT 1979
SITE CODE : 36950
JOB CODE : 240
USER CODE : 4135
THRESHOLD : 80 DB
TOTAL SAMPLES = 91317
STANDBY TIME = 2:35:35

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
NUMBER OF COMPUTATIONS = 380
PERIOD = 1 MINUTES

TIME	OSHA		NOISH	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	60.4	60.4	3.300	3.30
2	78.2	79.4	2.434	5.74
3	61.4	60.1	3.802	9.54
4	63.1	78.3	.299	9.84
5	78.4	78.3	2.498	12.34
6	87.7	81.0	9.134	21.47
7	87.0	80.6	.172	21.64

MIN. COMP. = 60 DB
ARITHMETIC MEAN = 68 DB
STD. DEVIATION = 12 DB
VARIANCE =144 DB
MAX. COMP. = 99 DB

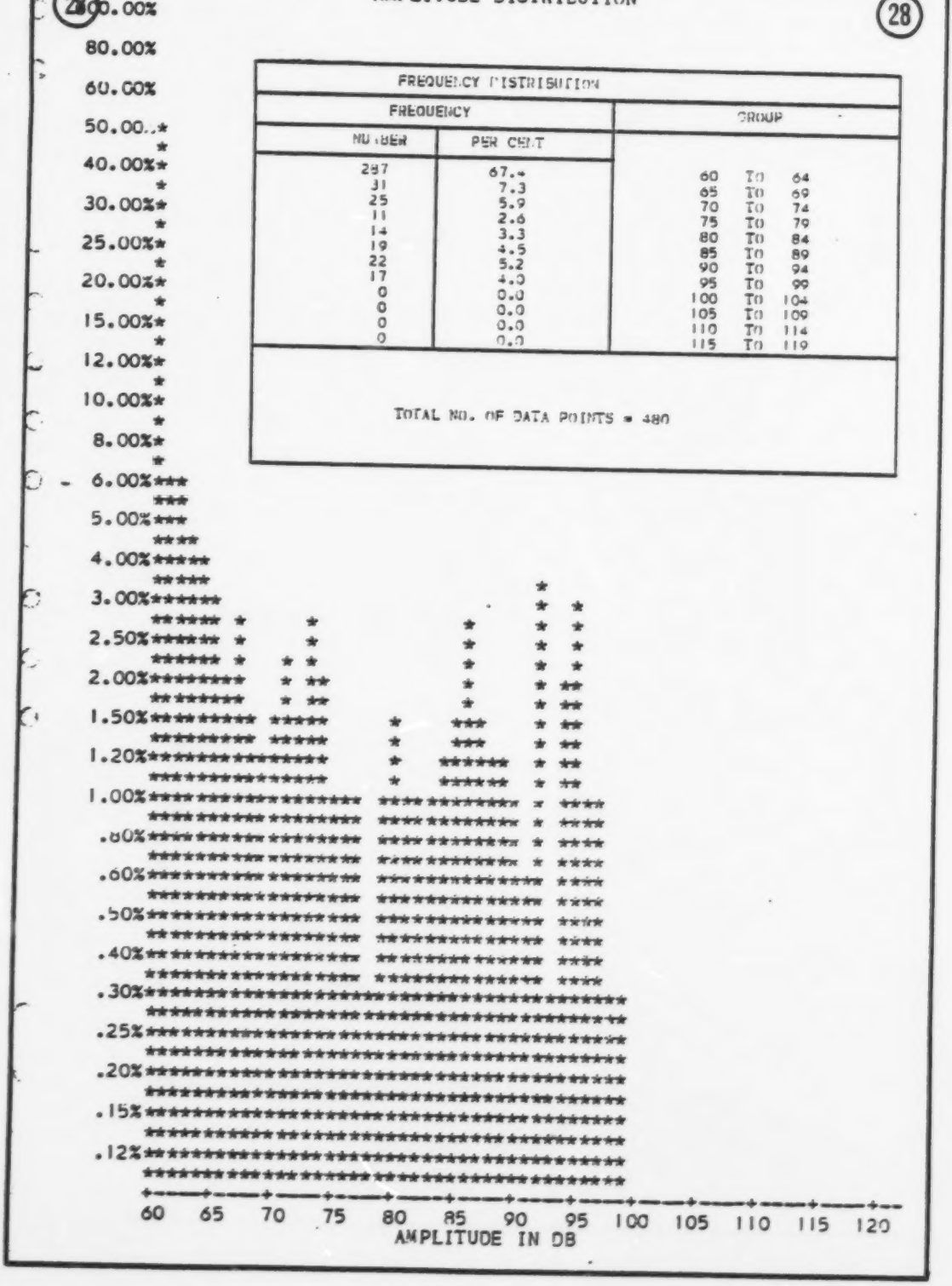
28

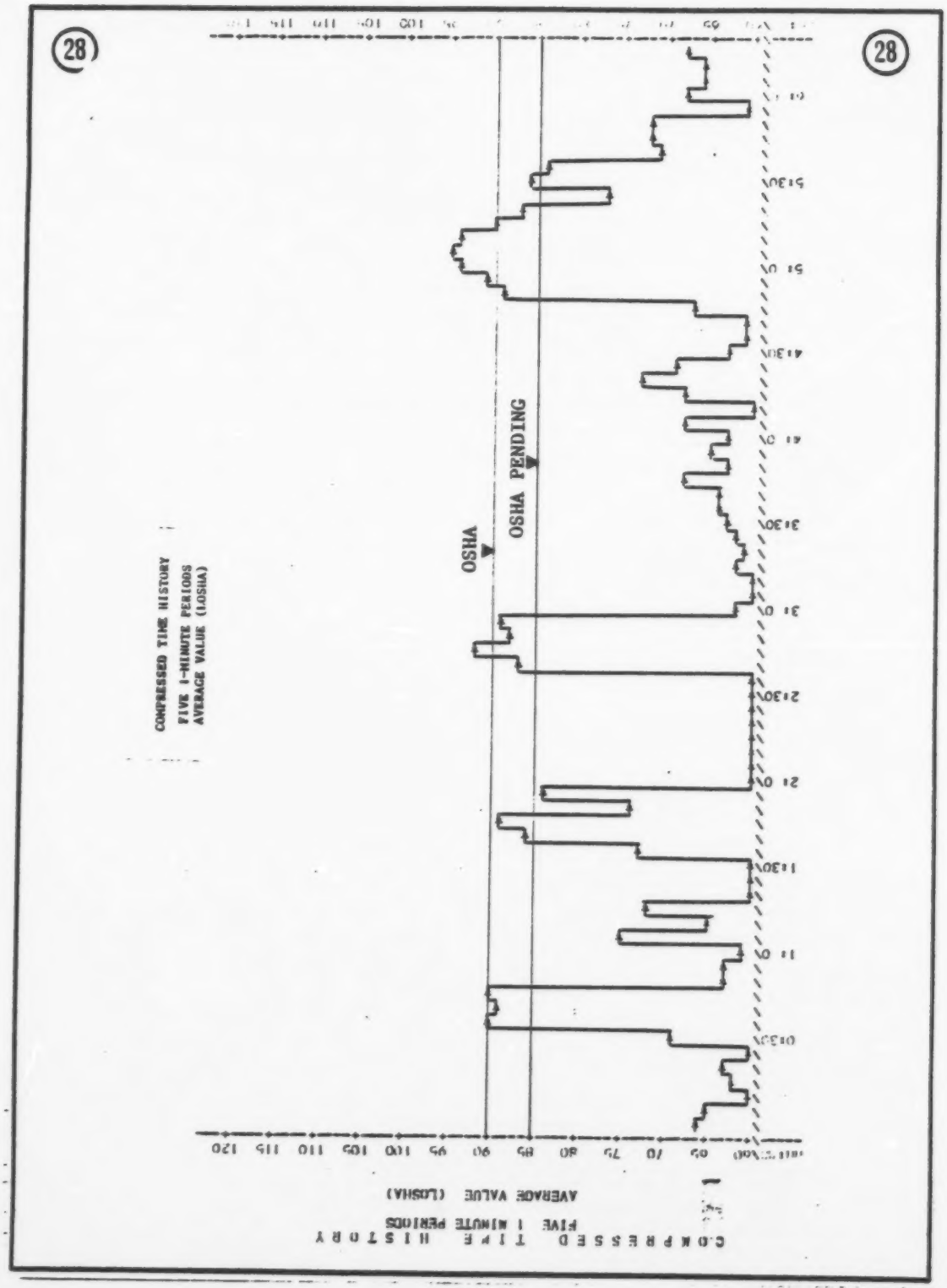
AMPLITUDE DISTRIBUTION

28

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
287	67.4	60 TO 64
31	7.3	65 TO 69
25	5.9	70 TO 74
11	2.6	75 TO 79
14	3.3	80 TO 84
19	4.5	85 TO 89
22	5.2	90 TO 94
17	4.0	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




28
28
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
AVERAGE VALUE (LOSHA)
COMPRESSED TIME HISTORY
FIVE 1 MINUTE PERIODS

(29)

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

```
  1  26  80  1217   60   64    4    1
     71     115200  480
  63  60  60  66  60  60  60  62  68  66  60  72  70  73  67  63
  60  60  61  60  61  67  67  61  65  73  75  60  60  62  62  60
  66  67  65  70  64  60  60  60  60  60  60  60  61  65  69  63
  64  66  60  61  60  74  78  76  83  79  90  89  93  81  86  85
  84  87  79  68  60  84  80  60  78 101  92  79  90  91  86  93
  86  92  88  93  92  84  85  83  77  83  90  81  83  72  68  75
  66  60  66  91  76  71  78  60  64  61  61  61  65  64  64  69
  70  87  92  77  61  61  67  60  62  61  61  67  66  63  61  60
  60  60  62  63  67  63  62  60  62  63  60  62  70  62  69  60
  63  60  62  61  64  71  65  69  75  60  60  69  61  63  77  79
  75  62  74  64  70  72  64  71  71  75  67  83  76  77  74  65
  78  79  62  66  60  60  60  60  60  61  63  65  61  60  62  60
  60  60  60  61  60  62  62  61  60  61  68  74  61  60  62  60
  83  78  80  84  84  82  87  86  84  60  71  88  86  90  96  86
  63  80  96  97  82  60  74  86  87  66  75  75  76  64  67  62
  60  76  67  60  85  90  82  73  60  67  61  68  60  60  63  69
  81  74  66  79  68  74  73  66  60  62  62  60  62  81  64  60
  69  70  77  60  65  61  80  75  64  63  60  60  67  65  68  62
  62  60  71  66  68  89  91  97  95  95  96  96  95  98  93  92
  96 100  97  92  92  94 101 100  92  96  96  85  87  81  86  85
  76  81  75  82  82  83  77  75  75  66  79  68  72  83  82  78
  82  73  75  69  73  76  65  71  89  95  95  95  96  89  93  91
  89  89  95  96  99 100 103  98  97  90  81  83  85  84  86  91
  83  83  92  93  92  85  83  94 100 104 102  95  83  90  94  95
  95  98  96  86  86  81  63  72  70  61  75  84  83  66  66  83
  74  85  85  90  93  87  77  79  80  79  82  81  79  79  80  77
  83  63  62  60  60  60  69  82  80  82  87  85  89  85  84  88
  85  86  85  85  85  85  85  94  97  80  84  93  93  87  90  96
  89  88  84  92  94  87  92  89  91  87  88  88  92  87  75  74
  77  76  83  73  75  85  76  86  86  89  81  82  82  95  94  93
%EOF
```

(29)

```
ENTER LOG DATE (DD/MM/YR) : 22/08/79
ENTER SITE CODE (5 CHARS) : 31950
ENTER USER CODE (4 CHARS) : 4213
 ENTER JOB CODE (3 CHARS) : 240
```

```
   DATA LOGGED :22  AUG 1979          DATA ANALYZED : 25 SEPT 1979
        LOGGER : DB-301/26                SITE CODE : 31950
 SERIAL NUMBER : 1217                      JOB CODE : 240
      BASELINE : 60 DB                    USER CODE : 4213
 DYNAMIC RANGE : 64 DB                   THRESHOLD : 80 DB
 SAMPLING RATE :  4/SEC                 TOTAL SAMPLES =  115200
 TEST DURATION =   8: 0: 0               STANDBY TIME =   0: 0:17
```

TIME HISTORY ANALYSIS

```
NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

TIME	LOSHA		%DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	71.4	71.4	.946	.95
2	84.7	80.8	6.033	6.98
3	70.1	78.7	.796	7.77
4	80.9	79.3	3.545	11.32
5	81.4	79.8	3.775	15.10
6	91.9	83.7	16.202	31.30
7	89.4	84.8	11.509	42.81
8	87.7	85.3	9.090	51.90

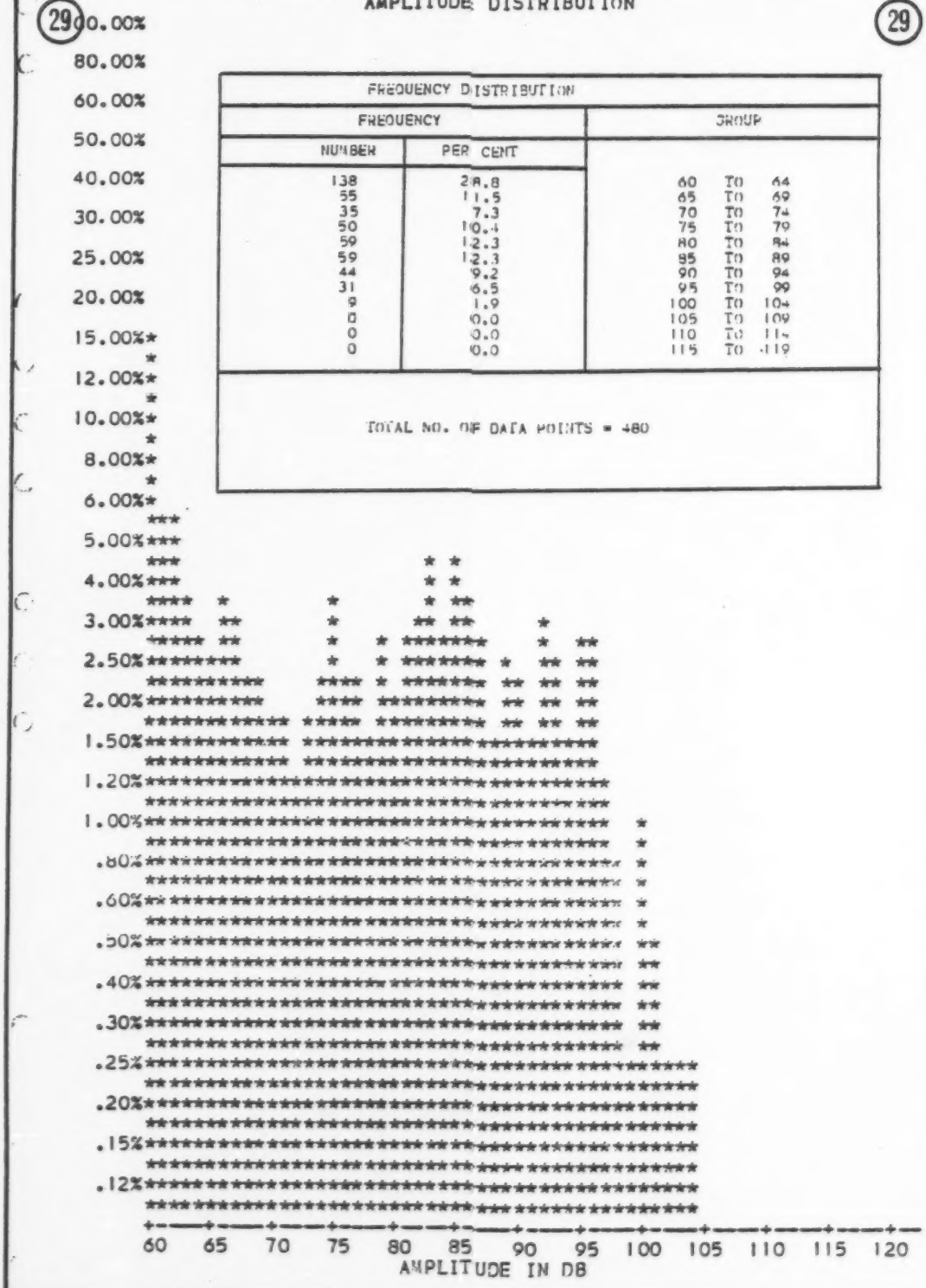
```
MIN. COMP. =  60 DB                MAX. COMP. = 104 DB
ARITHMETIC MEAN =  75 DB
STD. DEVIATION =  12 DB
VARIANCE =144 DB
```

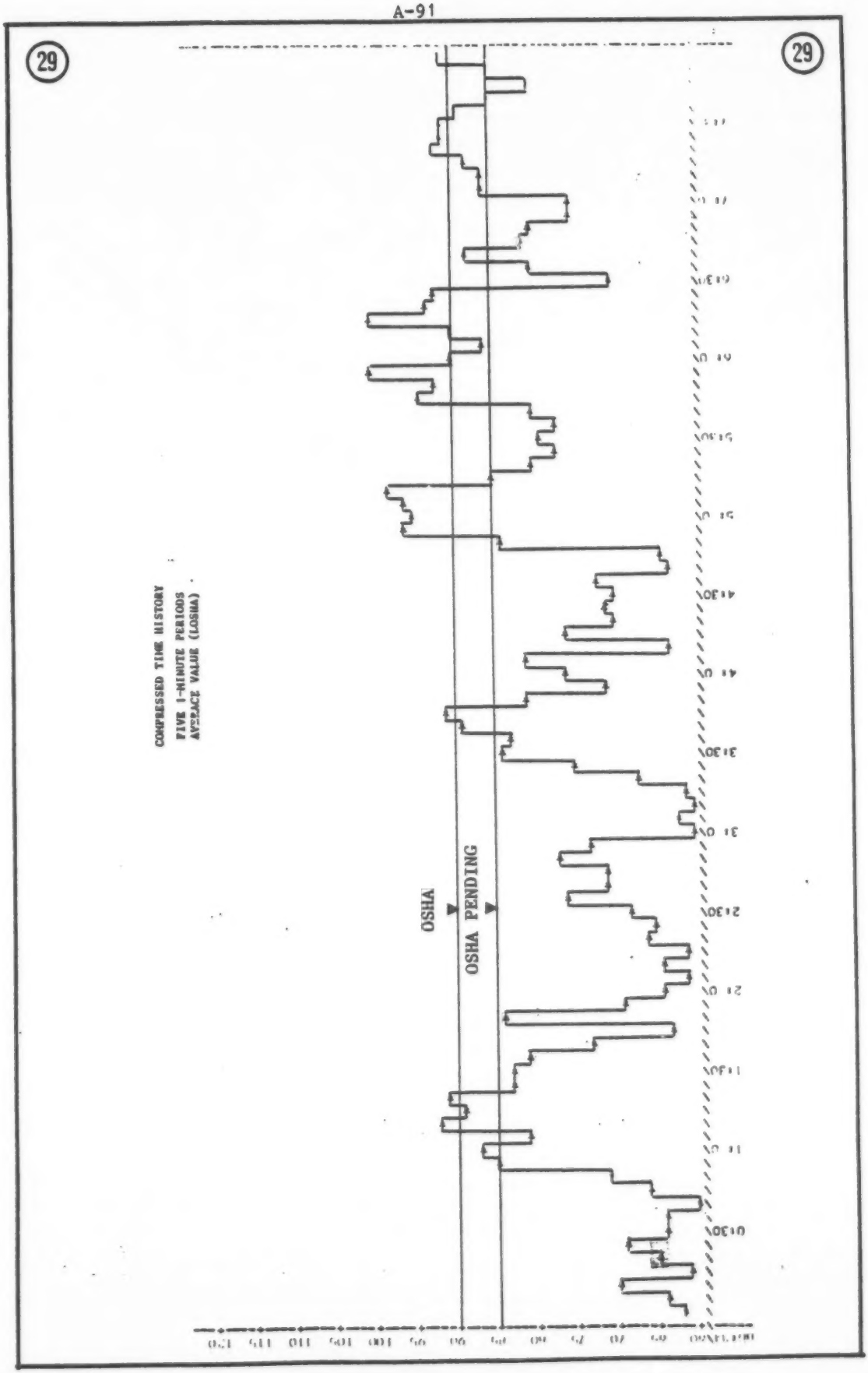
AMPLITUDE DISTRIBUTION

(29) (29)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
138	28.8	60 TO 64
55	11.5	65 TO 69
35	7.3	70 TO 74
50	10.4	75 TO 79
59	12.3	80 TO 84
59	12.3	85 TO 89
44	9.2	90 TO 94
31	6.5	95 TO 99
9	1.9	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




29
29
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

30 30

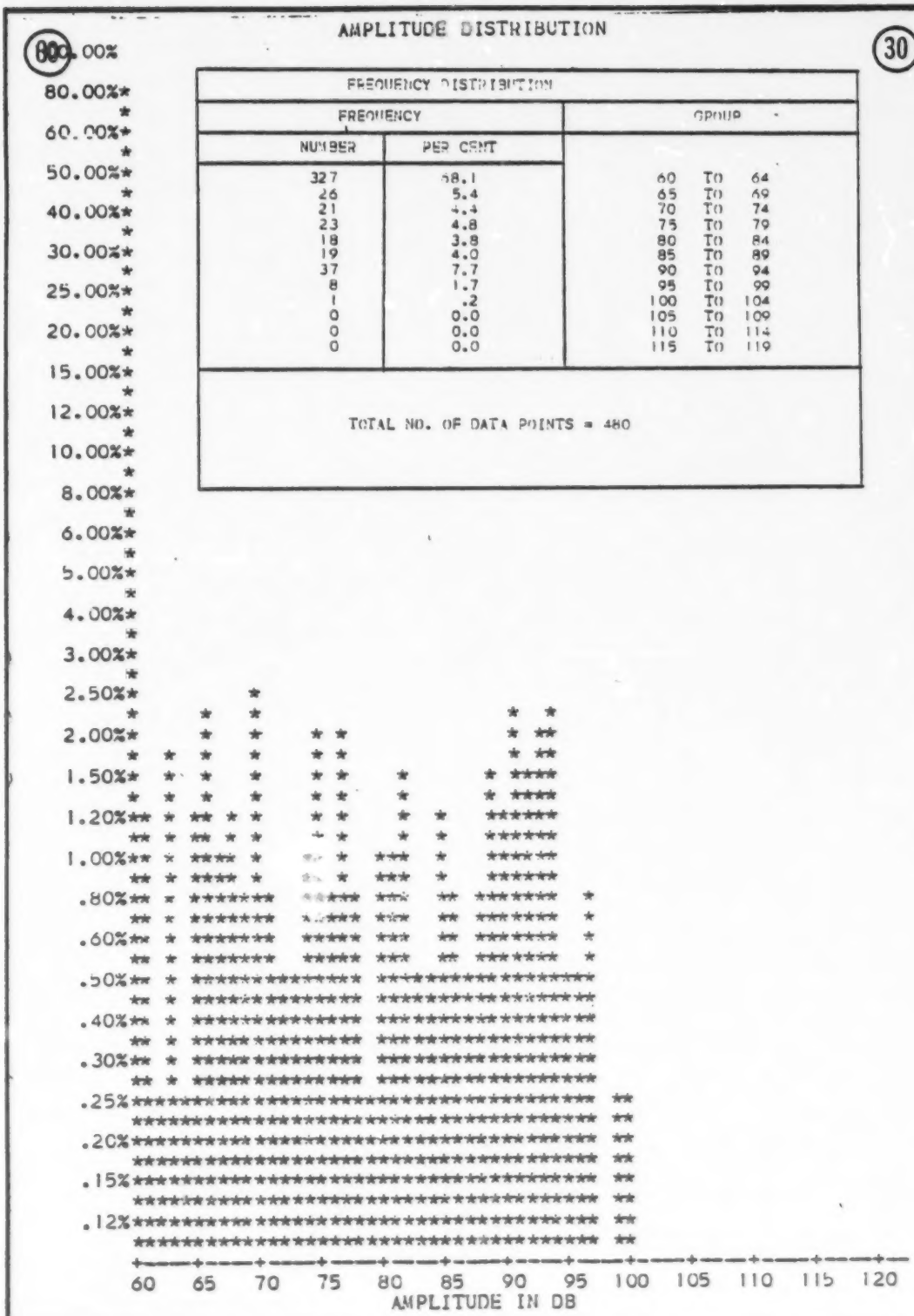
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1220   60   64    4    1
     42     115200  480
  63  65  70  62  63  65  60  60  60  60  60  60  60  60  60  63
  60  60  60  60  66  68  63  60  64  63  60  60  60  60  74  78
  78  82  82  88  91  89  87  92  91  94  88  83  94  80  95  97
  84  82  70  73  76  80  79  80  75  76  73  70  60  74  81  85
  85  65  70  66  68  75  74  69  70  72  71  60  81  85  66  67
  66  75  70  63  68  66  66  65  71  70  66  67  75  72  77  75
  77  60  68  77  77  48  82  97  96  77  77  75  85  99  75  78
  70  70  76  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  66  66  60  68  60  63  60  61  65  60  61
  60  60  60  60  60  60  60  61  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  70  60  60  60
  60  60  60  60  60  60  67  61  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  69  60  74  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  67  61  71  69  97 100  96  84  89  91  86  93  94
  90  87  60  75  90  92  81  90  81  77  86  93  90  95  94  89
  82  80  83  77  89  89  94  91  93  93  86  93  92  94  93  91
  93  89  93  92  92  82  91  94  91  91  91  94  92  85  94  90
%EOF


ENTER LOG DATE (DD/MM/YR) : 23/08/79
ENTER SITE CODE (5 CHARS) : 36950
ENTER USER CODE (4 CHARS) : 4281
 ENTER JOB CODE (3 CHARS) : 240


   DATA LOGGED :23  AUG 1979          DATA ANALYZED : 25 SEPT 1979
        LOGGER : DB-301/26                  SITE CODE : 36950
SERIAL NUMBER : 1220                         JOB CODE : 240
      BASELINE : 60 DB                       USER CODE : 4281
DYNAMIC RANGE : 64 DB                       THRESHOLD : 60 DB
SAMPLING RATE :  4/SEC                  TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0                STANDBY TIME =   0: 0:10

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 60 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                        DOSE
HOUR    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1      61.9      61.9          4.047      4.05
   2      80.4      81.2          3.283      7.33
   3      60.8      78.4           .217      7.55
   4      60.6      76.6           .211      7.76
   5      61.0      75.2           .223      7.98
   6      60.0      74.0           .195      8.18
   7      60.2      73.1           .201      8.38
   8      90.6      79.1         13.549     21.93
MIN. COMP. =  60 DB              MAX. COMP. = 100 DB
ARITHMETIC MEAN =  66 DB
STD. DEVIATION =  11 DB
VARIANCE =121 DB
```

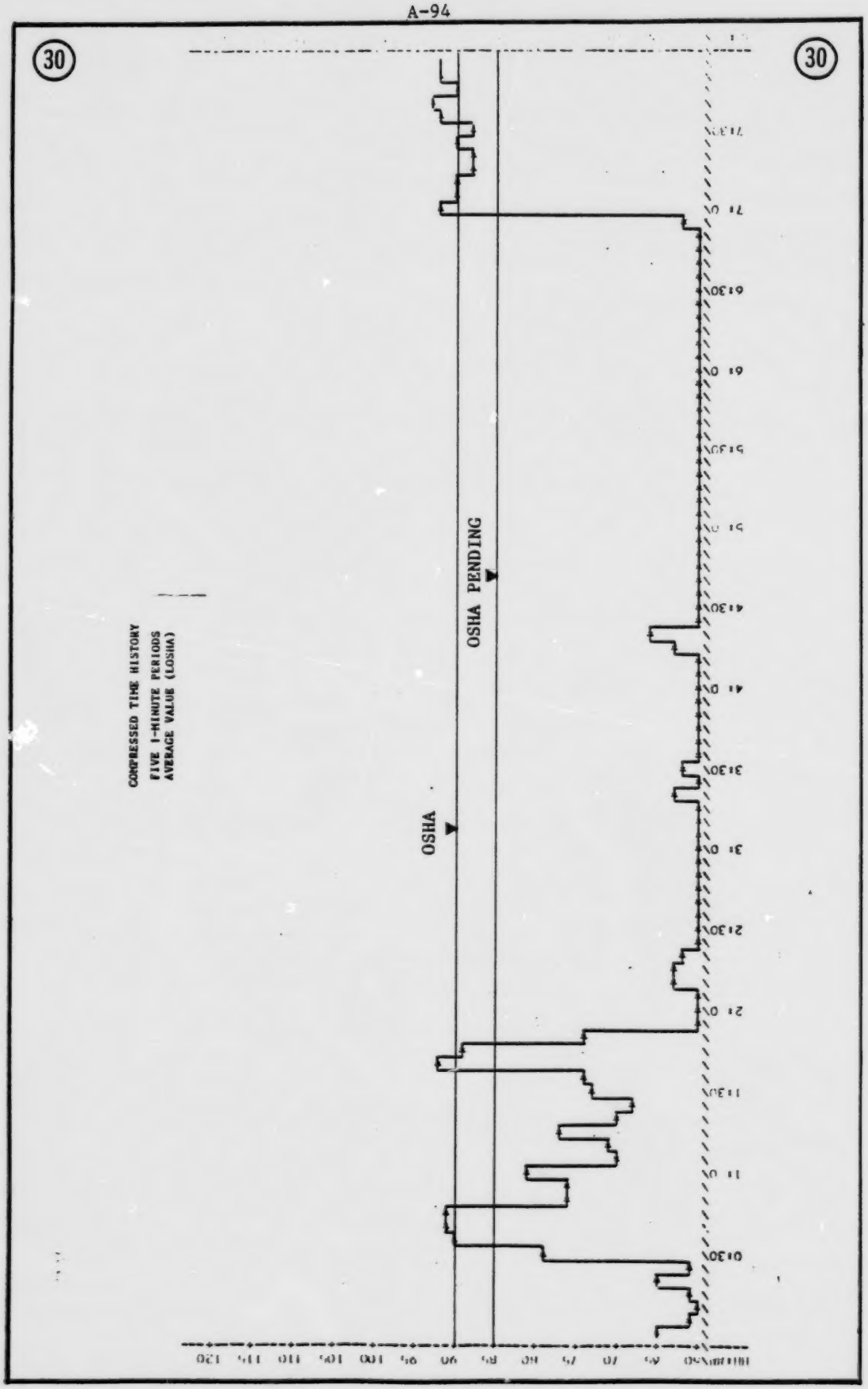
AMPLITUDE DISTRIBUTION

30

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
327	68.1	60 TO 64
26	5.4	65 TO 69
21	4.4	70 TO 74
23	4.8	75 TO 79
18	3.8	80 TO 84
19	4.0	85 TO 89
37	7.7	90 TO 94
8	1.7	95 TO 99
1	.2	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

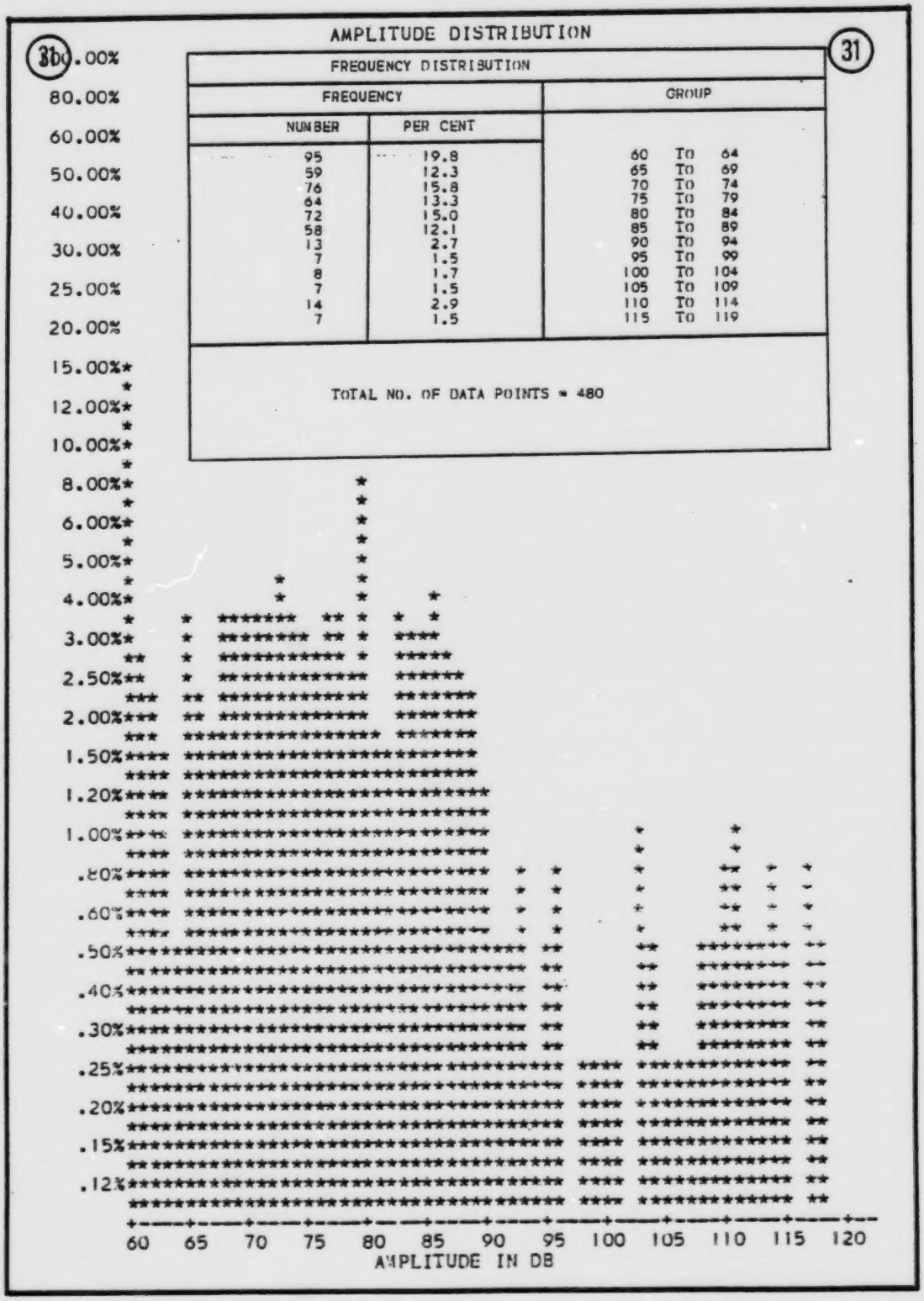
TOTAL NO. OF DATA POINTS = 480




30
30
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0:30
1:0
1:30
2:0
2:30
3:0
3:30
4:0
4:30
5:0
5:30
6:0
6:30
7:0
7:30

31 31

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1219   60   64    4    1
     146    115200  480
  72  60  60  60  60  60  60  75  66  69  64  60  77  74  61  60
  60  66  65  65  66  61  63  71  78  72  73  67  70  62  72  79
  77  76  85  87  85  70  73  71  62  68  63  65  61  62  75  72
  77  83  88  96  87  89  95  87  88  89  86  85  88  90  92  89
  89  77  81  84  84  87  89  86  86  73  75  84  86  88  89  92
  86  66  60  60  60  60  60  60  65  67  65  65  67  73  76  71
  68  75  68  74  73  71  62  72  71  69  69  68  68  69  68  66
  63  69  70  72  74  74  67  84  85  85  87  86  84  85  86  101
 105  98 113 112 113 114 108  85 111 111 103 112 109 108 107 106
 109 111 110 111 110  99  83  87  86  87 104 114  95 117 115  84
 103 103 110  84  86  84  85  85  85  83 100 118 117 104 103 117
 114 118 115  74  80  73  83  83  83  75  71  73  73  71  75  78
  72  73  72  73  72  76  70  70  81  77  69  71  74  70  68  68
  65  75  84  83  80  88  87  87  82  80  83  93  83  86  84  79
  66  77  74  60  63  61  77  81  86  82  71  69  76  65  68  69
  61  60  65  77  83  86  84  80  65  63  75  83  78  60  79  76
  70  70  66  73  68  72  72  77  78  75  72  69  76  78  73  78
  80  80  78  77  78  79  79  79  78  79  80  79  81  89  81  80
  80  80  80  80  80  80  79  80  80  80  80  80  80  80  80  80
  80  80  80  80  80  80  83  82  81  85  72  82  76  78  62  68
  60  60  74  82  71  84  73  86  78  72  76  78  77  73  77  80
  86  88  83  73  75  80  76  78  75  73  80  77  79  60  68  73
  71  74  74  70  61  73  81  88  83  78  67  69  62  69  70  61
  60  62  61  60  65  60  66  60  60  60  60  60  80  75  74  78
  76  60  60  68  77  76  75  86  91  87  89  88  85  88  90  91
  88  90  87  94  96  93  93  96  89  90  90  86  77  65  82  70
  72  70  74  74  71  69  67  61  62  60  65  71  60  60  60  60
  60  60  60  60  60  69  69  68  60  60  60  60  60  60  60  60
  60  60  60  70  68  74  66  61  60  60  60  67  71  64  60  62
  60  63  60  60  60  60  60  60  65  60  60  61  60  60  70  74
%EOF


ENTER LOG DATE (DD/MM/YR) : 25/07/79
ENTER SITE CODE (5 CHARS) : 95400

ENTER USER CODE (4 CHARS) : 4123
 ENTER JOB CODE (3 CHARS) : GCS



   DATA LOGGED :25 JULY 1979          DATA ANALYZED : 19 SEPT 1979
       LOGGER : DB-301/26                 SITE CODE : 95400
SERIAL NUMBER : 1219                       JOB CODE : GCS
     BASELINE : 60 DB                     USER CODE : 4123
DYNAMIC RANGE : 64 DB                     THRESHOLD :  80 DB
SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0              STANDBY TIME =   0: 0:36

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES


TIME          LOSHA                      %DOSE
HOUR    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1      79.9      79.9          3.095      3.09
   2      80.5      80.2          3.358      6.45
   3     108.0     100.4        151.880    158.33
   4      79.1      98.4          2.773    161.10
   5      78.3      96.9          2.485    163.59
   6      78.8      95.7          2.660    166.25
   7      84.0      94.9          5.412    171.66
   8      64.3      93.9           .355    172.02
MIN. COMP. =  60 DB            MAX. COMP. = 118 DB
ARITHMETIC MEAN =  76 DB
STD. DEVIATION =  13 DB
VARIANCE =169 DB
```



AMPLITUDE DISTRIBUTION

(30)

(31)

FREQUENCY DISTRIBUTION

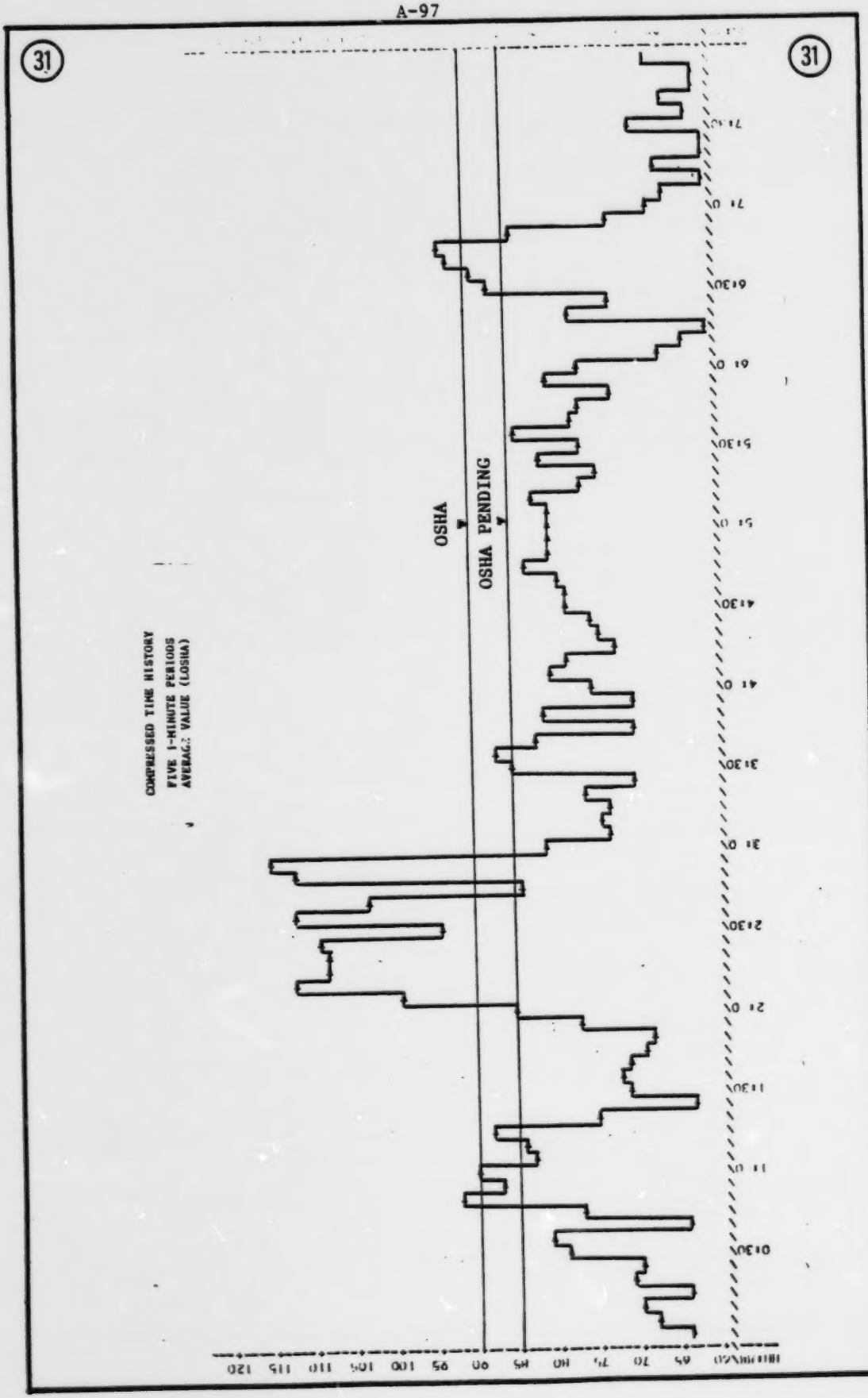
FREQUENCY		GROUP
NUMBER	PER CENT	
95	19.8	60 TO 64
59	12.3	65 TO 69
76	15.8	70 TO 74
64	13.3	75 TO 79
72	15.0	80 TO 84
58	12.1	85 TO 89
13	2.7	90 TO 94
7	1.5	95 TO 99
8	1.7	100 TO 104
7	1.5	105 TO 109
14	2.9	110 TO 114
7	1.5	115 TO 119

TOTAL NO. OF DATA POINTS = 480

80.00%
60.00%
50.00%
40.00%
30.00%
25.00%
20.00%
15.00%
12.00%
10.00%
8.00%
6.00%
5.00%
4.00%
3.00%
2.50%
2.00%
1.50%
1.20%
1.00%
.80%
.60%
.50%
.40%
.30%
.25%
.20%
.15%
.12%

60 65 70 75 80 85 90 95 100 105 110 115 120

AMPLITUDE IN DB


31
31
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
dBA re 20 μN/m²
65
70
75
80
85
90
95
100
105
110
115
120
0:30
1:00
1:30
2:00
2:30
3:00
3:30
4:00
4:30
5:00
5:30
6:00
6:30
7:00
7:30

(32) (32)

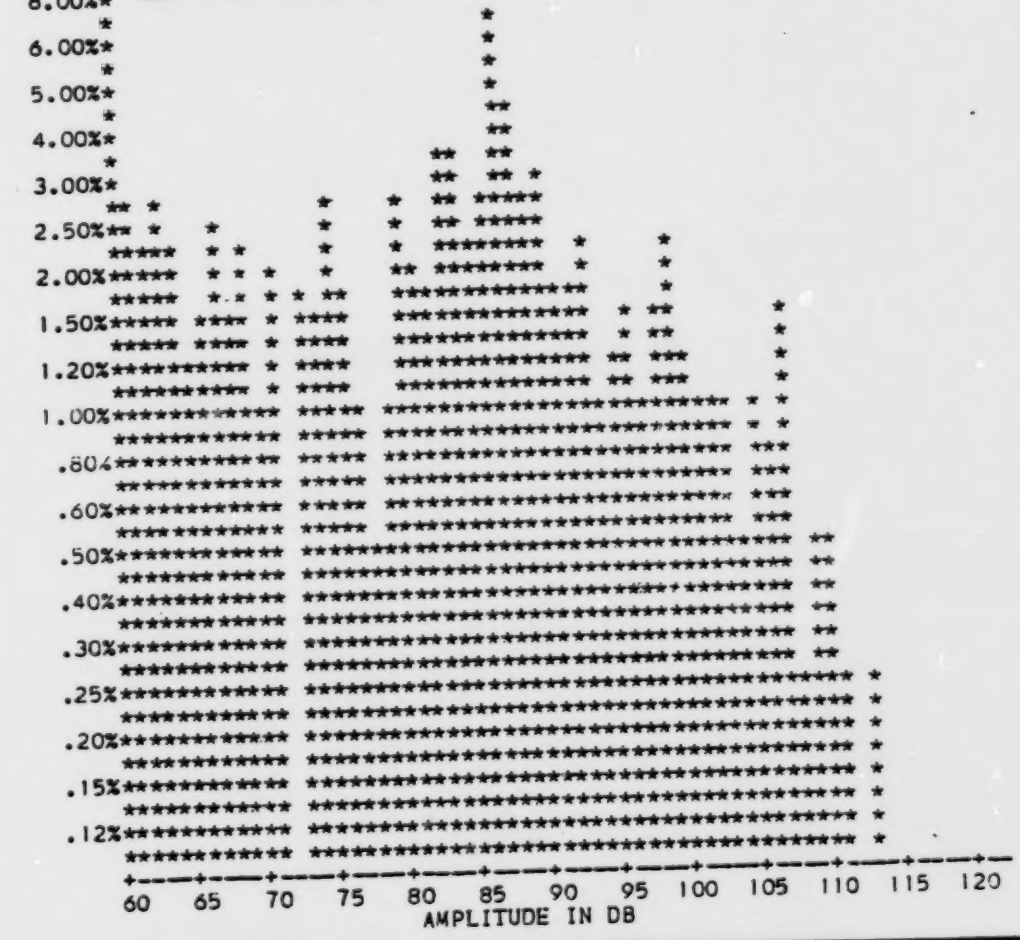
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1225   60   64    4    1
      81      115200  480
  69  61  60  60  62  60  60  60  60  60  68  65  74  74  69  60
  60  60  60  61  60  60  60  60  60  62  60  60  62  78  88  91
  90  93  89  90  96  91  93  87  87  84  83  87  89  90  99  94
  91  90  90  90  99  96  92  95  92  91  87  75  80  92  88  98
  93  87  82  63  84  64  63  61  64  64  62  66  60  69  84  84
  76  76  80  80  75  87  91  83  86  93  92  85  87  86  86  90
  92  88  89  75  67 103 102  84  98 107 103 103 103  99 107  95
 106 109 104 110 106  91  90  90  85  77  80  71  71  63  65 104
 107 102 101  62  96 110 113 111 109  97  67  82  94  79  84  88
  80  80  85  60  69  92  96  88  76  73  62  60  60  60  60  63
 105  98 101 107  94 105 100 106  80 102 107  97  80 105 108  93
  60 105 107  73  67  61  68  64  80  60  60  60  60  60  69  60
  60  60  60  60  67  82  74  86  90  94  88  88  83  82  81  84
  84  85  85  84  85  84  84  80  84  84  85  85  86  86  93  98
  97 100  99 102 100  93  93  99  99  99  99  96  95  86  83  83
  83  84  83  83  83  83  90  95 101  98  99  98  99 100  95 101
 100  97  94  82  81  80  66  60  60  60  60  60  60  61  60  60
  60  60  60  60  60  71  64  67  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  67  62  60  60  60  66  64  71  69
  63  60  60  63  63  60  60  61  60  61  67  60  60  61  60  60
  60  65  66  91  80  68  73  87  90  88  86  83  67  63  89  96
  93  60  65  78  70  73  63  60  60  61  60  63  64  68  66  68
  70  60  62  60  60  60  60  60  75  70  60  60  69  71  66  73
  81  83  88  88  87  87  87  87  87  87  87  87  88  88  87  88
  87  88  87  87  87  86  87  87  86  88  87  87  87  89  89  92
  88  88  89  89  89  89  89  90  88  87  75  71  74  81  76  66
  75  68  73  73  69  80  83  81  81  83  76  77  79  82  82  80
  85  79  76  87  81  67  60  60  60  67  61  60  60  60  60  60
  60  60  64  60  60  61  75  71  75  60  64  60  60  65  60  60
  62  60  63  79  70  77  75  80  81  77  74  75  75  74  76  71
%EOF


ENTER LOG DATE (DD/MM/YR) : 25/07/79
ENTER SITE CODE (5 CHARS) : 00000
ENTER USER CODE (4 CHARS) : 7474

 ENTER JOB CODE (3 CHARS) : GCS


   DATA LOGGED :25 JULY 1979          DATA ANALYZED : 19 SEPT 1979
      LOGGER : DB-301/26                 SITE CODE : 00000
SERIAL NUMBER : 1225                      JOB CODE : GCS
    BASELINE : 60 DB                    USER CODE : 7474
DYNAMIC RANGE : 64 DB                    THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0              STANDBY TIME =   0: 0:20

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                    %DOSE
HOUR    CURRENT  CUMULATIVE     CURRENT  CUMULATIVE
   1       86.3       86.3       7.501        7.50
   2       96.1       92.7      28.980       36.48
   3       99.5       95.7      46.513       82.99
   4       89.9       94.7      12.308       95.30
   5       87.7       93.7       9.070      104.37
   6       78.2       92.5       2.420      106.79
   7       85.5       91.9       6.657      113.45
   8       75.2       91.0       1.602      115.05
MIN. COMP. =  60 DB              MAX. COMP. = 113 DB
ARITHMETIC MEAN =  77 DB
STD. DEVIATION =  15 DB
VARIANCE =225 DB
```

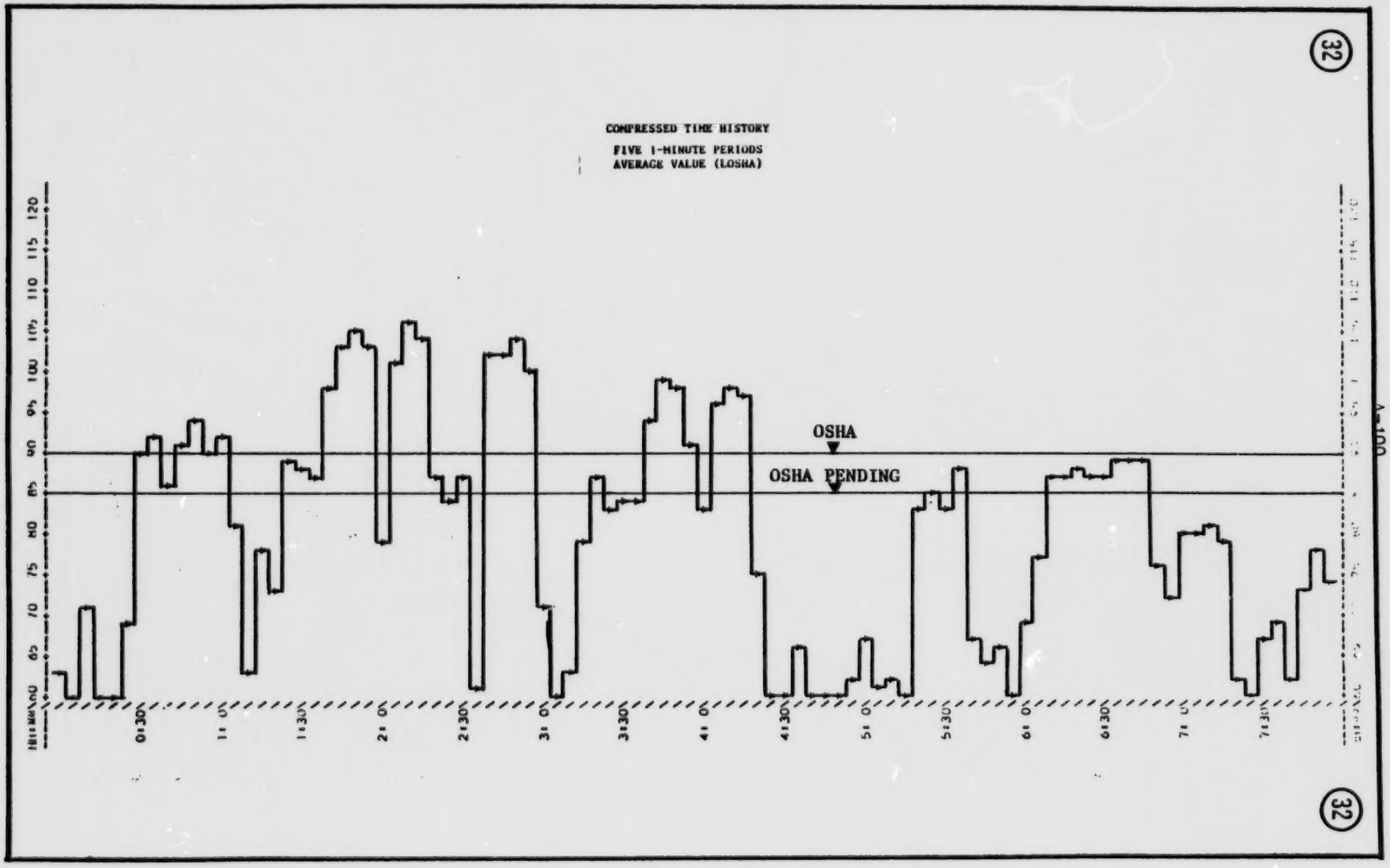
AMPLITUDE DISTRIBUTION

(32) (32)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
150	31.3	60 TO 64
36	7.5	65 TO 69
25	5.2	70 TO 74
28	5.8	75 TO 79
55	11.5	80 TO 84
77	16.0	85 TO 89
40	8.3	90 TO 94
30	6.3	95 TO 99
19	4.0	100 TO 104
16	3.3	105 TO 109
4	.8	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




32
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
32

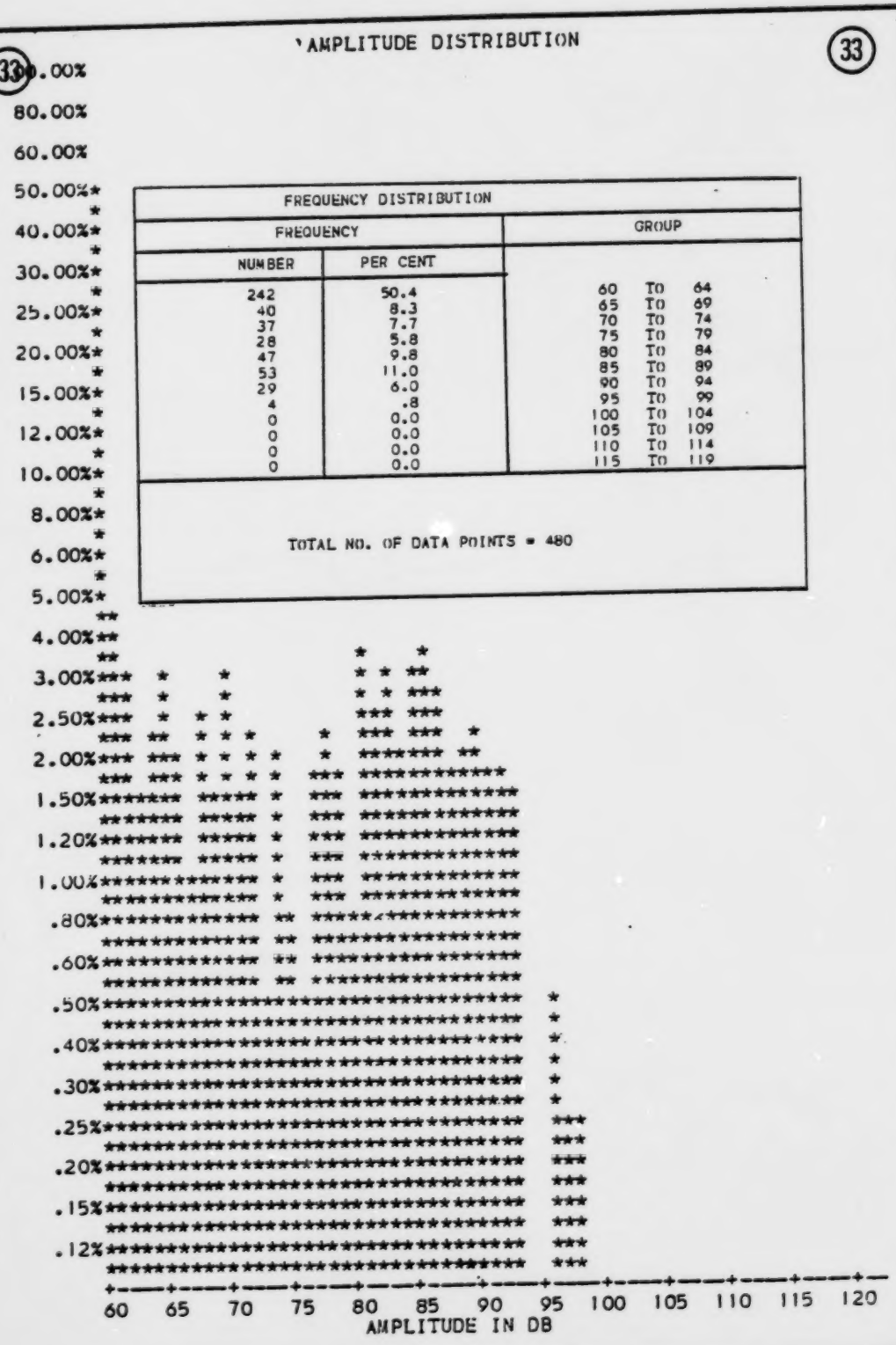
33

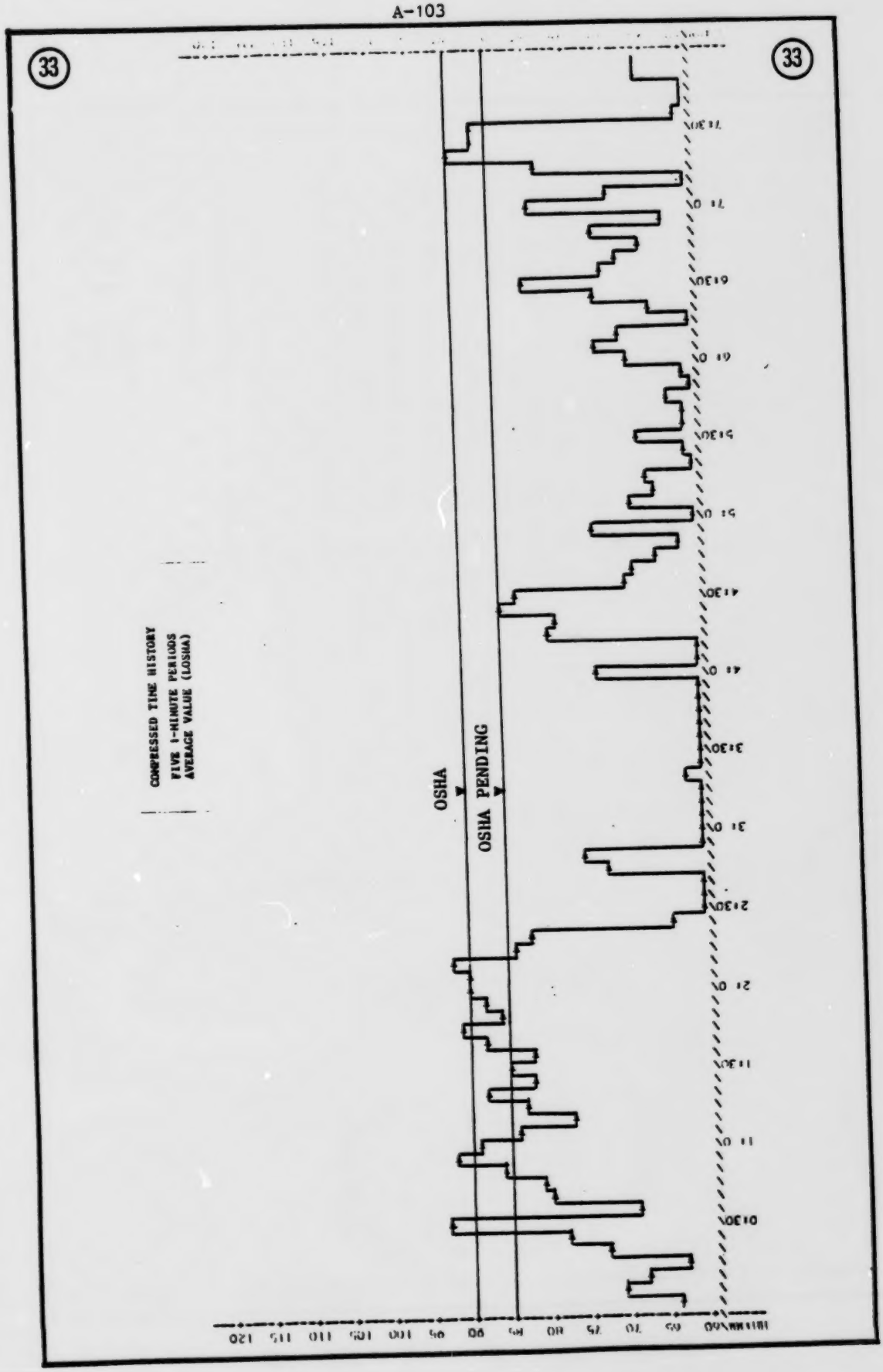
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1216   60   64    4    1
     116     115200  480
  60  62  62  67  68  67  77  72  69  62  65  61  65  74  70  68
  62  60  60  60  60  60  70  79  78  72  80  83  62  78  81  98
  90  96  92  78  60  66  63  60  70  86  77  84  64  79  72  79
  82  86  85  87  85  86  86  87  91  97  93  88  96  87  81  88
  81  81  86  88  82  82  79  81  81  69  62  72  77  89  80  86
  89  88  93  81  81  82  83  82  82  82  83  82  91  85  81  84
  85  81  79  75  83  76  88  93  90  92  90  93  89  88  85  86
  85  86  87  83  78  91  91  90  89  90  90  90  89  89  91  91
  90  90  93  92  93  92  91  75  86  85  84  84  84  84  84  80
  78  60  67  66  60  66  60  61  60  60  60  60  62  60  60  60
  60  60  60  60  60  60  65  68  76  77  81  75  73  70  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  61  60  60
  60  60  60  60  62  60  60  60  63  60  60  60  65  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  62  60  60
  60  61  82  71  60  60  60  60  60  60  60  60  60  60  60  69
  74  60  83  85  72  60  60  83  85  83  86  85  85  86  85  86
  84  81  72  78  68  60  60  60  60  60  72  74  60  60  60  60
  60  73  64  65  60  60  60  72  81  68  60  60  60  61  60  60
  60  65  60  60  77  60  60  68  60  60  69  70  70  60  60  60
  60  60  60  60  60  60  63  60  60  60  61  60  60  74  68  60
  60  60  60  64  61  60  65  60  60  61  60  68  61  60  60  60
  60  60  60  60  61  64  60  60  60  74  70  66  63  68  66  78
  74  61  60  60  78  66  60  60  60  60  60  60  61  64  69  60
  66  70  70  79  62  67  64  65  87  81  83  79  71  60  61  65
  61  70  74  70  60  60  60  65  64  72  77  77  61  66  65  61
  61  68  60  60  62  71  83  83  83  78  62  70  60  60  62  60
  60  60  60  60  74  63  82  86  87  89  92  92  87  87  87  85
  87  88  92  89  86  87  71  64  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  69  71  71  64  63  60  65
%EOF


ENTER LOG DATE (DD/MM/YR) : 25/07/79
ENTER SITE CODE (5 CHARS) : 40954
ENTER USER CODE (4 CHARS) : 4166
 ENTER JOB CODE (3 CHARS) : 240


   DATA LOGGED :26 JULY 1979          DATA ANALYZED : 19 SEPT 1979
        LOGGER : DB-301/26                  SITE CODE : 40954
 SERIAL NUMBER : 1216                        JOB CODE : 240
      BASELINE : 60 DB                      USER CODE : 4166
 DYNAMIC RANGE : 64 DB                      THRESHOLD :  80 DB
 SAMPLING RATE :  4/SEC                 TOTAL SAMPLES =  115200
 TEST DURATION =   8: 0: 0               STANDBY TIME =   0: 0:29

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                      %DOSE
HOUR     CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1       83.0      83.0          4.735      4.74
   2       86.1      84.7          7.279     12.01
   3       82.8      84.1          4.582     16.60
   4       60.3      82.1           .203     16.80
   5       75.7      81.2          1.729     18.53
   6       63.3      80.0           .309     18.84
   7       70.9      79.3           .887     19.72
   8       79.9      79.3          3.087     22.81
MIN. COMP. =  60 DB              MAX. COMP. =  98 DB
ARITHMETIC MEAN =  70 DB
STD. DEVIATION =  11 DB
VARIANCE =121 DB
```

AMPLITUDE DISTRIBUTION

(33) (33)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
242	50.4	60 TO 64
40	8.3	65 TO 69
37	7.7	70 TO 74
28	5.8	75 TO 79
47	9.8	80 TO 84
53	11.0	85 TO 89
29	6.0	90 TO 94
4	.8	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119
TOTAL NO. OF DATA POINTS = 480		




33
33
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
dBA
65
70
75
80
85
90
95
100
105
110
115
120
0:30
1:00
1:30
2:00
2:30
3:00
3:30
4:00
4:30
5:00
5:30
6:00
6:30
7:00
7:30

(34)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1221   60   64    4    1
     525    115200  480
  66  71  83  65  65  70  63  64  63  66  68  71  68  68  65  60
  60  62  60  67  68  74  79  74  84  82  84  80  82  85  84  83
  83  83  83  82  83  82  83  82  84  88  83  82  83  84  83  83
  82  84  83  84  85  85  95  90  91  97  94  84  86  85  85  88
  87  86  86  92  95  86  91  84  84  87  85  98  86  85  90  89
  95  85  86  86  88  85  84  83  83  86  92  93  90  86  84  82
  81  80  79  77  87  93  92  92  93  93  90  90  87  88  88  88
  88  86  89  91  92  93  92  91  92  91  90  90  90  90  90  90
  90  90  92  92  94  86  90  89  90  88  89  89  88  85  85  85
  87  87  87  87  87  87  87  87  87  87  88  89  85  60  61  87
  87  87  87  88  89  88  88  88  88  88  88  85  60  60  60  62
  60  60  65  60  60  60  61  60  61  60  60  61  60  60  60  60
  60  63  60  60  60  62  65  63  64  60  64  60  60  67  61  60
  64  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  64  61  60  64  64
  60  60  64  64  63  60  60  61  60  60  60  60  60  73  73  76
  85  84  76  78  75  85  84  87  86  88  85  84  84  84  82  81
  70  83  65  60  60  60  61  60  66  73  60  60  60  60  60  71
  60  61  60  60  71  76  82  61  60  60  60  60  60  60  60  60
  60  70  82  60  64  74  65  63  71  71  72  60  60  60  62  60
  65  60  60  60  63  60  60  71  70  69  63  76  65  60  60  70
  62  64  62  60  70  60  60  61  60  66  62  60  64  60  68  68
  60  61  72  70  66  61  64  77  61  69  66  69  75  83  76  61
  60  60  80  78  65  64  67  74  65  61  70  70  72  70  70  73
  74  78  63  71  67  67  92  94  97  95  80  63  62  72  63  75
  79  71  61  60  68  69  64  71  79  81  74  77  74  63  74  77
  66  62  73  79  84  84  83  75  66  69  61  67  62  62  60  64
  60  66  76  68  80  88  88  89  93  92  89  89  91  88  91  91
  95  93  89  88  76  64  60  60  67  64  60  60  60  60  60  60
  60  60  60  60  60  60  60  69  81  73  66  78  61  60  73  75
%EOF


ENTER LOG DATE (DD/MM/YR) : 26/07/79
ENTER SITE CODE (5 CHARS) : 40954
ENTER USER CODE (4 CHARS) : 7327
 ENTER JOB CODE (3 CHARS) : 240


   DATA LOGGED :26 JULY 1979          DATA ANALYZED : 19 SEPT 1979
        LOGGER : DB-301/26                 SITE CODE : 40954
 SERIAL NUMBER : 1221                       JOB CODE : 240
      BASELINE : 60 DB                     USER CODE : 7327
 DYNAMIC RANGE : 64 DB                     THRESHOLD : 80 DB
 SAMPLING RATE :  4/SEC               TOTAL SAMPLES =  115200
 TEST DURATION =   8: 0: 0             STANDBY TIME =   0: 2:11

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                    %DOSE
HOUR     CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1        82.9        82.9        4.699        4.70
   2        88.6        86.3       10.314       15.01
   3        87.3        86.7        8.598       23.61
   4        61.0        84.7         .225       23.84
   5        76.2        83.6        1.841       25.68
   6        67.0        82.4         .517       26.19
   7        78.8        82.0        2.659       28.85
   8        82.0        82.0        4.125       32.98
MIN. COMP. =  60 DB              MAX. COMP. =  98 DB
ARITHMETIC MEAN =  73 DB
STD. DEVIATION =  12 DB
VARIANCE =144 DB
```

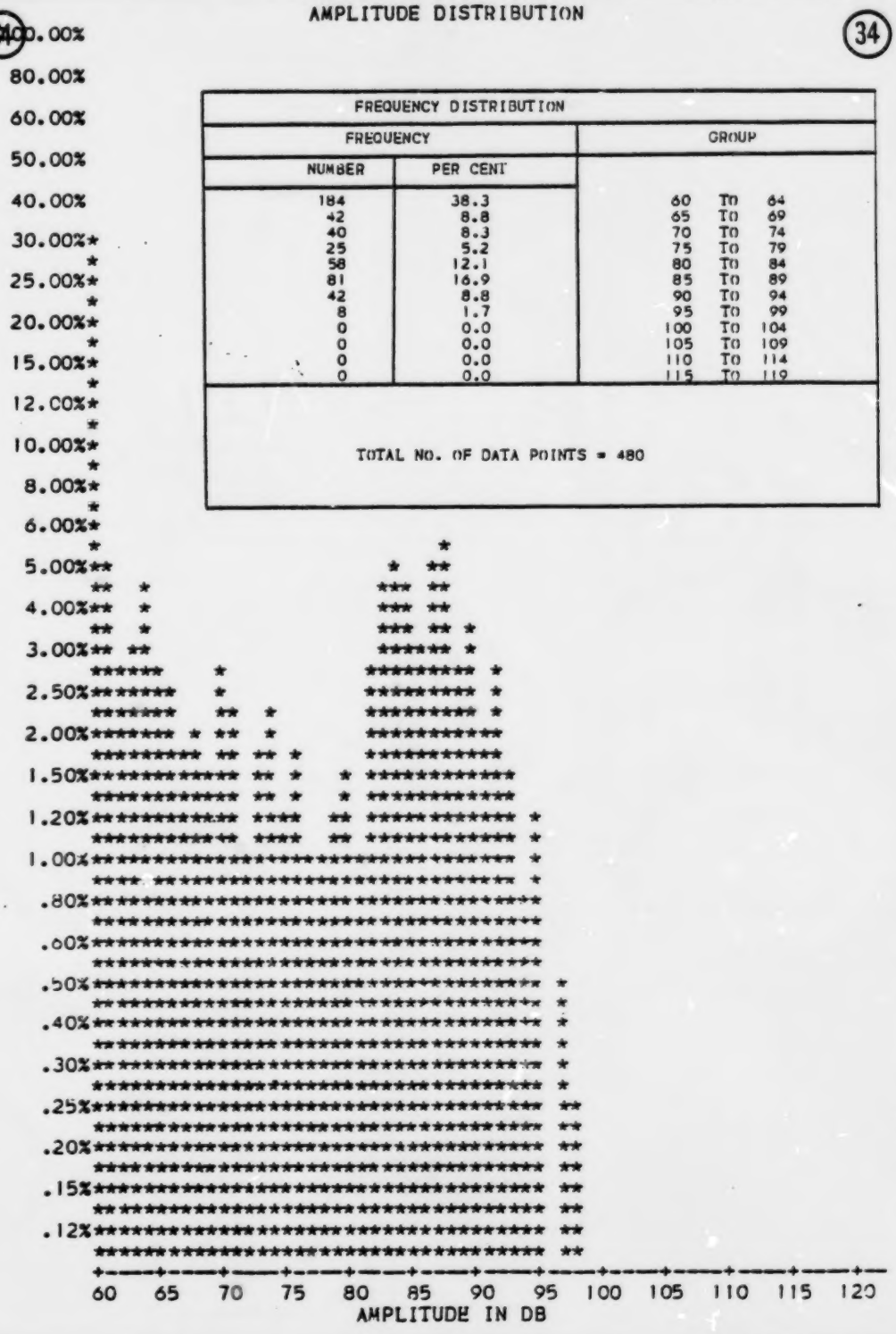
(34)

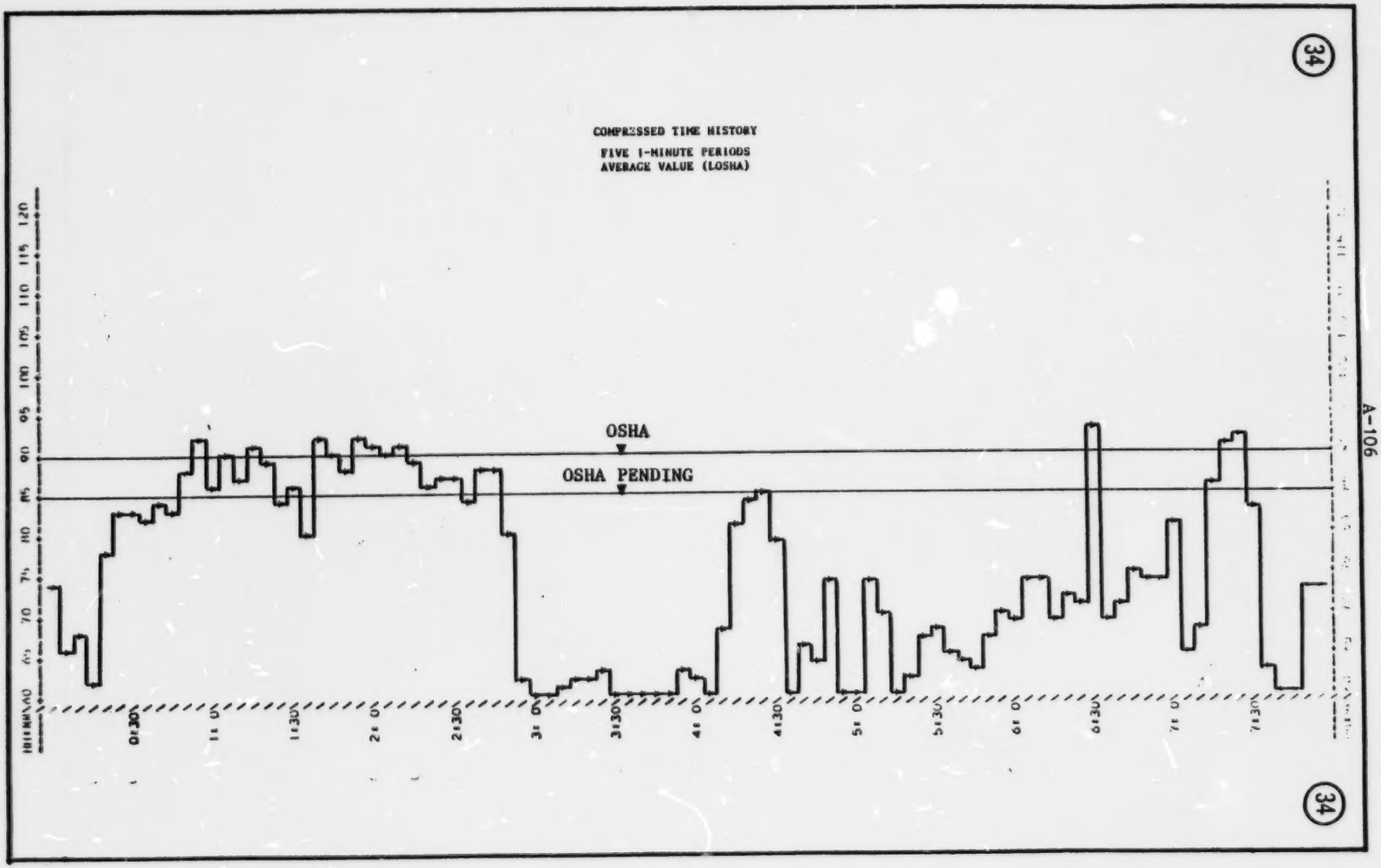
AMPLITUDE DISTRIBUTION

(34) (34)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
184	38.3	60 To 64
42	8.8	65 To 69
40	8.3	70 To 74
25	5.2	75 To 79
58	12.1	80 To 84
81	16.9	85 To 89
42	8.8	90 To 94
8	1.7	95 To 99
0	0.0	100 To 104
0	0.0	105 To 109
0	0.0	110 To 114
0	0.0	115 To 119

TOTAL NO. OF DATA POINTS = 480




34
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
34

(35)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
 1  26   80   1225    60    64     4     1
      20      115200   480
 70  65  64  66  64  63  62  62  64  67  63  62  64  60  60  60
 60  60  60  67  68  75  74  62  70  62  71  69  60  60  63  68
 70  61  67  63  65  71  77  73  74  76  74  73  78  74  66  62
 61  64  60  60  62  60  69  63  60  62  60  60  60  61  70  69
 73  75  71  79  85  70  60  74  77  84  60  62  62  74  86  87
 90  88  95  86  89  92  86  91  88  88  87  86  90  91  91  94
 91  90  90  89  86  86  84  87  89  87  87  90  91  87  86  87
 86  89  87  86  87  86  89  93  95  93  91  94  92  92  93  95
 94  96  96  96  94  94  90  95  95  95  97  97  91  92  87  89
 90  95  89  84  92  94  92  94  91  88  92  79  69  60  60  60
 60  60  60  60  60  60  66  60  67  67  65  61  60  61  77  80
 73  77  83  84  69  71  71  70  73  80  78  68  69  60  63  61
 61  61  61  60  60  60  63  60  78  81  81  83  64  60  61  60
 63  62  68  76  77  62  84  90  95  91  73  71  69  63  61  68
 61  63  60  72  73  81  67  60  66  60  64  75  73  63  73  73
 68  67  69  69  65  61  67  77  73  66  61  61  68  70  77  66
 64  63  60  61  60  61  63  66  65  64  76  71  75  61  67  67
 60  65  62  66  63  65  64  72  69  84  73  72  68  73  73  66
 74  73  70  62  60  60  60  60  66  66  64  69  69  70  61  65
 69  60  75  80  73  80  79  69  72  60  69  63  60  63  70  77
 75  80  72  60  70  68  61  63  61  73  77  77  78  79  70  80
 80  79  73  79  81  78  81  74  74  81  84  83  83  82  83  83
 79  78  72  81  64  86  84  75  77  81  83  79  81  83  82  79
 75  78  78  75  81  77  84  74  70  73  79  75  77  78  72  68
 72  64  84  73  97  92  64  96  88  70  65  61  99  90  83  96
 73  71  99  93  87 103  70  96  95  79  65  73  77  77  73  74
 78  69  60  78  67  68  77  72  72  72  70  70  71  67  71  67
 65  69  63  63  68  70  61  63  60  60  67  76  65  77  67  63
 60  60  64  60  60  60  60  60  60  70  69  61  60  60  60  60
 60  71  66  60  60  60  60  60  60  60  60  60  60  60  80  63
%EOF
```

(35)

```
ENTER LOG DATE (DD/MM/YR) : 12/09/79
ENTER SITE CODE (5 CHARS) : 20951
ENTER USER CODE (4 CHARS) : 4820

 ENTER JOB CODE (3 CHARS) : 240
```

```
   DATA LOGGED :12 SEPT 1979
        LOGGER : DB-201/26
 SERIAL NUMBER : 1225
      BASELINE : 60 DB
 DYNAMIC RANGE : 64 DB
  SAMPLING RATE : 4/SEC
 TEST DURATION =   8: 0: 0
```

```
DATA ANALYZED : 27 SEPT 1979
    SITE CODE : 20951
     JOB CODE : 240
    USER CODE : 4820
   THRESHOLD : 60
TOTAL SAMPLES =  115200
 STARTAY TIME =    : 0: 0
```

TIME HISTORY ANALYSIS

NOISE EXPOSURE LEVEL (N.E.L.) CALCULATIONS
NOISE BASED ON 90 DB CRITERION
TIME USE = 90.0 / 8 HRS
CRITERION (90 DB) LEVEL = 90 DB
EXCHANGE (3 DB) RATE = 3 DB
NUMBER OF CALCULATIONS = 480
PERIOD = 1 MINUTES

TIME HOUR	LOCAL PERCENTILE	LOCAL CUMULATIVE	POWER PERCENTILE	POWER CUMULATIVE
1	87.1	87.7	.566	.57
2	94.6	82.3	8.020	8.59
3	89.6	85.6	11.793	20.38
4	84.1	84.1	1.816	22.20
5	89.1	84.4	.691	22.89
6	75.9	82.1	2.024	24.91
7	80.6	82.9	7.791	32.71
8	87.2	84.1	.528	33.23

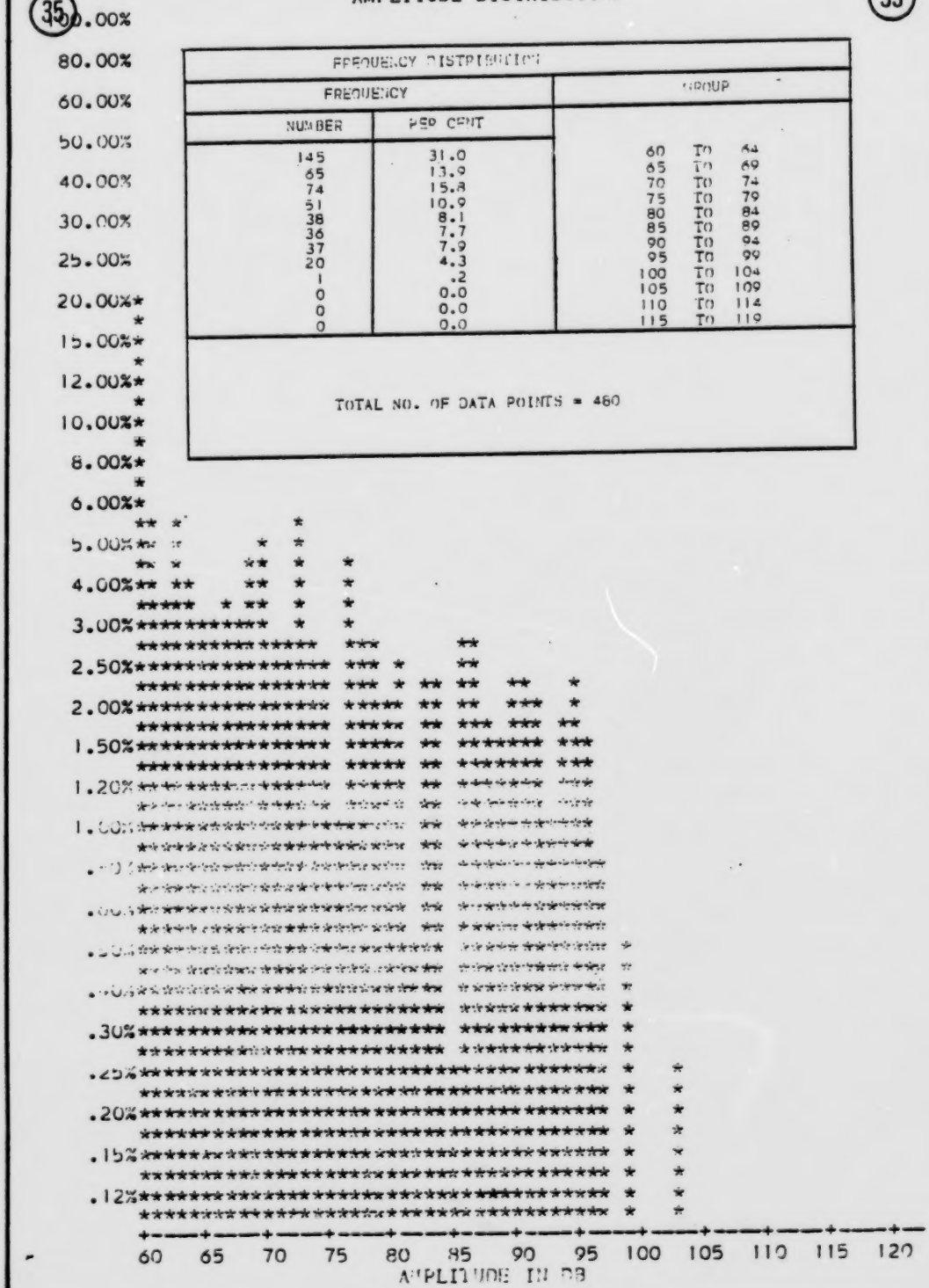
MIN. COMP. = 60 DB MAX. COMP. = 103 DB
ARITHMETIC MEAN = 72 DB
STD. DEVIATION = 11 DB
VARIANCE =121 DB

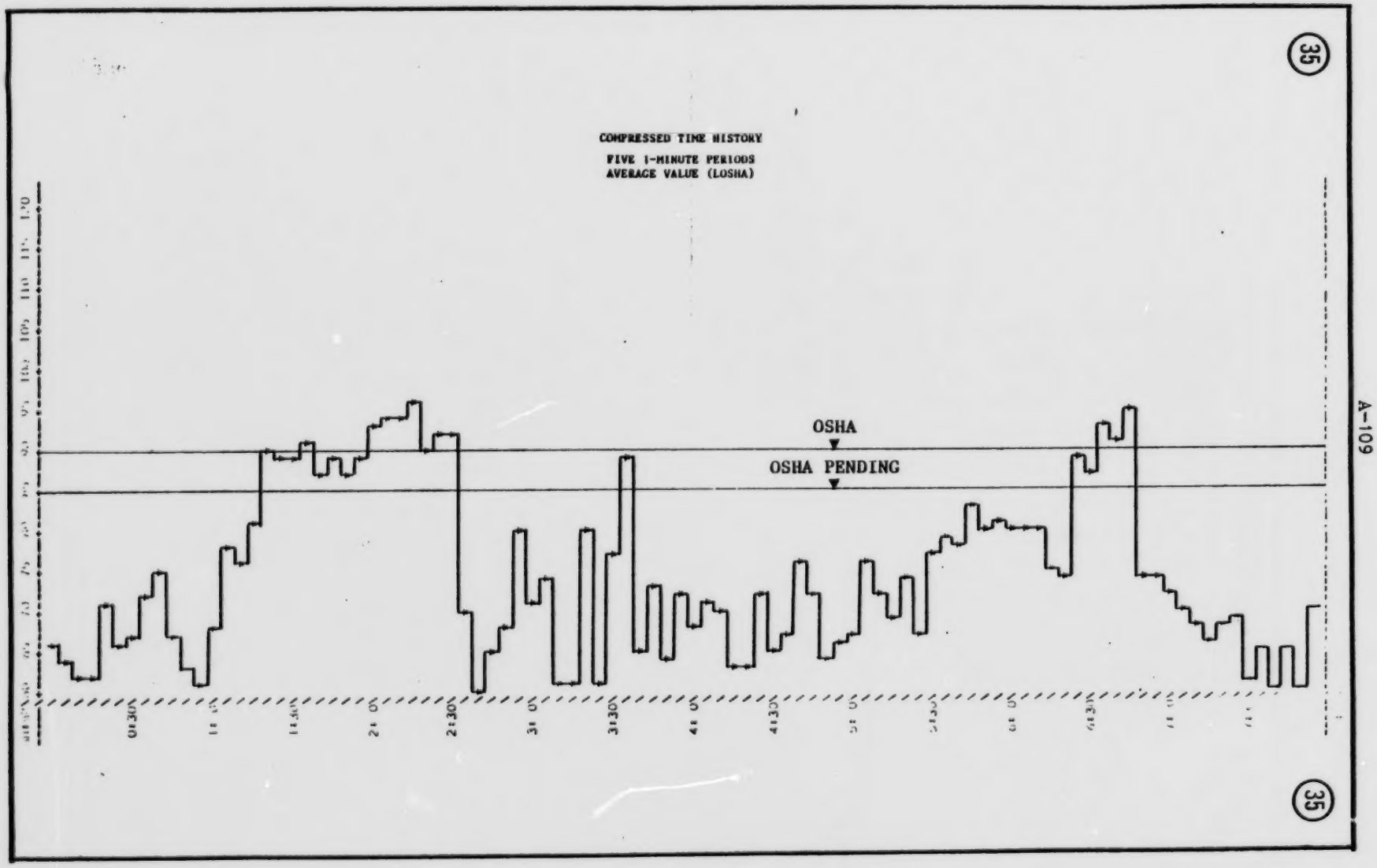
(35) AMPLITUDE DISTRIBUTION (35)

FREQUENCY DISTRIBUTION

FREQUENCY		GROUP
NUMBER	PER CENT	
145	31.0	60 TO 64
65	13.9	65 TO 69
74	15.8	70 TO 74
51	10.9	75 TO 79
38	8.1	80 TO 84
36	7.7	85 TO 89
37	7.9	90 TO 94
20	4.3	95 TO 99
1	.2	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 460




35
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
35

(36)

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
1 26 80 1215 60 64 4 1
362 115200 480

60	60	60	60	61	60	60	60	60	60	64	63	70	75	72	62
70	66	72	62	60	60	63	69	69	61	66	60	66	70	76	72
73	78	71	78	76	79	72	74	75	77	74	70	71	72	69	70
71	73	73	69	69	77	76	75	67	70	72	73	65	61	72	66
72	67	70	76	79	79	83	92	92	92	87	86	87	87	89	90
88	88	92	94	95	90	90	92	87	87	87	88	88	86	89	87
89	88	88	92	89	86	86	86	85	88	87	88	89	90	94	95
94	98	95	95	93	94	96	96	96	97	97	97	94	93	93	96
95	97	98	95	94	92	78	93	92	95	88	88	96	96	93	96
91	91	84	89	80	80	69	66	71	62	63	63	80	80	80	83
60	61	65	60	61	62	60	60	60	60	60	60	60	60	62	60
60	64	68	63	74	60	69	78	83	75	79	60	60	49	51	60
62	60	66	70	70	72	69	71	60	71	65	65	73	72	65	67
79	78	61	60	72	72	70	65	69	68	66	74	71	66	60	62
63	63	64	61	70	64	60	69	60	69	70	61	77	63	60	63
60	68	60	67	66	63	69	71	61	65	60	63	67	60	60	60
60	60	60	60	60	62	64	60	61	61	64	61	60	60	60	60
70	60	60	60	60	64	60	60	60	61	61	60	60	61	60	64
60	60	60	60	60	67	65	60	61	63	61	63	63	62	62	60
67	70	68	66	66	60	64	72	62	72	61	76	63	66	78	95
86	90	91	86	74	72	66	70	72	67	68	71	60	72	75	76
80	79	60	61	60	65	67	68	63	60	60	60	60	60	60	60
76	72	63	60	60	60	60	60	60	69	72	65	60	61	79	70
60	60	60	60	60	60	60	60	73	76	65	62	60	60	78	74
60	60	60	60	60	60	60	70	69	66	67	70	70	65	75	76
67	60	69	70	75	77	63	83	98	66	78	76	70	75	60	60
60	63	60	60	69	61	63	60	62	68	67	60	61	65	60	64
64	61	67	92	75	60	69	63	71	62	60	66	72	82	73	74
75	75	80	83	91	86	73	78	79	76	78	74	70	70	67	63
68	70	87	68	68	63	72	67	73	68	67	72	83	100	102	93

.EOF

(36)

ENTER LOG DATE (DD/MM/YR) : 12/09/79
ENTER SITE CODE (5 CHARS) : 24950
ENTER USER CODE (4 CHARS) : 4133
ENTER JOB CODE (3 CHARS) : 240

DATA LOGGED : 12 SEPT 1979
LOGGER : DB-301/26
SERIAL NUMBER : 1215
BASELINE : 60 DB
DYNAMIC RANGE : 94 DB
SAMPLING RATE : 4/SEC
TEST DURATION = 8[illegible] : 0

DATA ANALYZED : 27 SEPT 1979
SITE CODE : 24950
JOB CODE : 240
USER CODE : 4133
TIME RESOLUTION : [illegible]
TOTAL SAMPLES = 115200
STANDBY TIME = [illegible]

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CRITERION) LEVEL = 90 DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

TIME	LOSHA		NOISE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	70.7	70.7	.864	.86
2	89.5	85.0	11.709	12.57
3	88.6	86.4	10.369	22.94
4	79.0	84.6	.781	23.72
5	83.8	84.1	.329	23.95
6	75.7	82.3	1.721	25.67
7	74.0	81.5	1.369	27.04
8	81.7	81.5	3.937	30.98

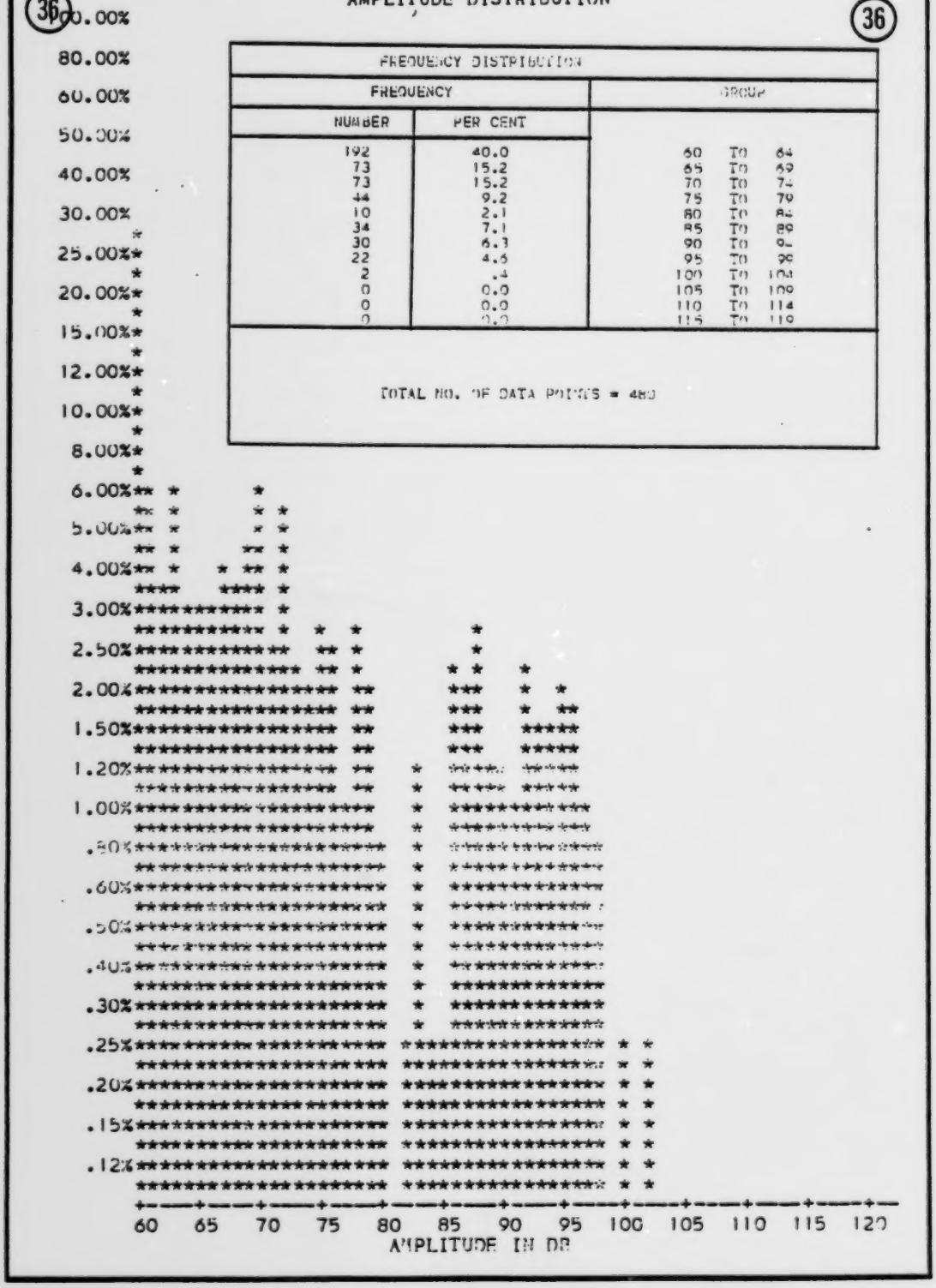
MIN. COMP. = 60 DB MAX. COMP. = 102 DB
ARITHMETIC MEAN = 70 DB
STD. DEVIATION = 11 DB
VARIANCE = 121 DB

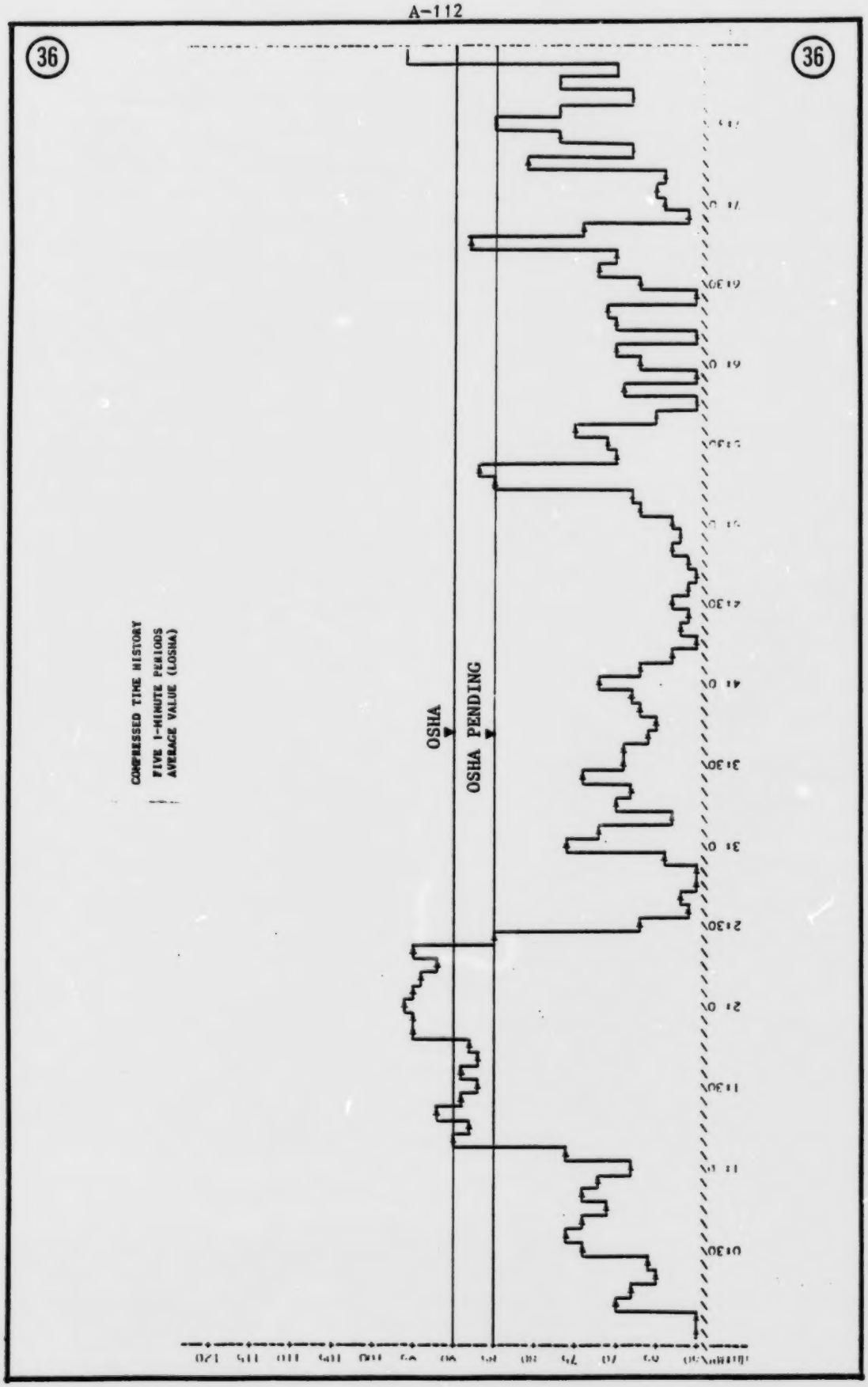
AMPLITUDE DISTRIBUTION

(36) (36)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
192	40.0	60 TO 64
73	15.2	65 TO 69
73	15.2	70 TO 74
44	9.2	75 TO 79
10	2.1	80 TO 84
34	7.1	85 TO 89
30	6.3	90 TO 94
22	4.6	95 TO 99
2	.4	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




36
36
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

37

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

1 26 80 1212 60 64 4 1

2968 115200 480

62	61	60	60	60	60	62	60	60	60	61	60	60	62	60	60
69	68	74	78	65	74	62	74	71	61	60	62	71	70	66	66
65	63	69	78	71	77	78	79	75	76	73	76	76	75	71	71
66	74	73	73	71	68	72	68	61	73	69	78	77	73	68	74
70	69	74	73	66	69	74	63	68	73	75	84	86	86	80	87
79	68	84	88	92	93	90	88	88	88	87	88	94	88	87	88
87	86	[illegible]	87	[illegible]	88	[illegible]	[illegible]	89	92	87	86	[illegible]	[illegible]	[illegible]	[illegible]
86	88	85	87	94	95	95	95	94	94	92	93	95	97	96	97
96	95	94	89	95	95	95	97	97	93	92	90	83	93	94	91
84	92	96	94	94	93	88	88	87	82	60	72	67	60	69	90
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
60	60	60	64	60	60	60	60	64	60	74	60	75	68	69	61
76	60	60	65	60	60	60	60	63	60	60	61	60	60	60	60
60	60	60	60	60	69	60	62	60	60	60	60	61	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	64
60	60	68	60	60	60	60	60	66	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	61	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	62	60	60	60	70
68	60	60	60	60	60	60	60	60	60	60	60	65	60	60	60
60	60	61	60	60	60	68	63	60	60	60	64	70	73	67	63
68	60	71	70	84	93	86	89	82	70	75	62	78	69	61	62
68	60	60	63	67	81	62	79	60	61	61	72	60	74	61	60
60	60	60	60	60	70	80	64	63	60	60	60	60	60	60	78
76	63	60	71	81	62	60	60	60	60	60	60	60	60	80	75
65	63	61	65	82	68	60	60	60	60	61	60	61	74	76	66
64	60	61	60	82	79	67	68	62	60	76	60	60	60	60	75
81	81	72	80	63	60	60	63	60	60	60	60	60	60	60	62
63	60	60	61	60	60	60	60	74	72	71	60	60	67	80	83
89	88	85	80	82	75	73	81	69	64	70	66	60	75	80	66
69	73	73	75	68	76	71	68	92	100	100	87	99	101	100	100

%EOF

ENTER LOG DATE (DD/MM/YR) : 12/09/79
ENTER SITE CODE (5 CHARS) : 24950

ENTER USER CODE (4 CHARS) : 4241
ENTER JOB CODE (3 CHARS) : 240

DATA LOGGED :12 SEPT 1979
LOGGER : DB-301/26
SERIAL NUMBER : 1212
BASELINE : 60 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE : 4/SEC
TEST DURATION = 8: [illegible]

DATA ANALYZED : 27 SEPT 1979
SITE CODE : 24950
JOB CODE : 240
USER CODE : 4241
THRESHOLD : 80 DB
TOTAL SAMPLES = 115200
STANDBY TIME = [illegible]:12:[illegible]

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
[illegible] = [illegible] / [illegible]
EXCHANGE (DOUBLING) RATE = [illegible]
THRESHOLD (CUTOFF) LEVEL = 80 DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

TIME	[illegible]		[illegible]	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	70.6	70.6	.848	.85
2	86.7	82.4	7.217	8.77
3	[illegible]	85.6	11.[illegible]	20.39
4	[illegible]	83.6	.[illegible]	20.69
5	61.0	82.1	.224	20.92
6	74.1	81.3	1.384	22.30
7	70.[illegible]	80.4	.[illegible]	23.1[illegible]
8	85.4	81.3	6.639	29.82

MIN. COMP. = 60 DB
ARITHMETIC MEAN = 59 DB
STD. DEVIATION = 12 DB
VARIANCE =144 DB

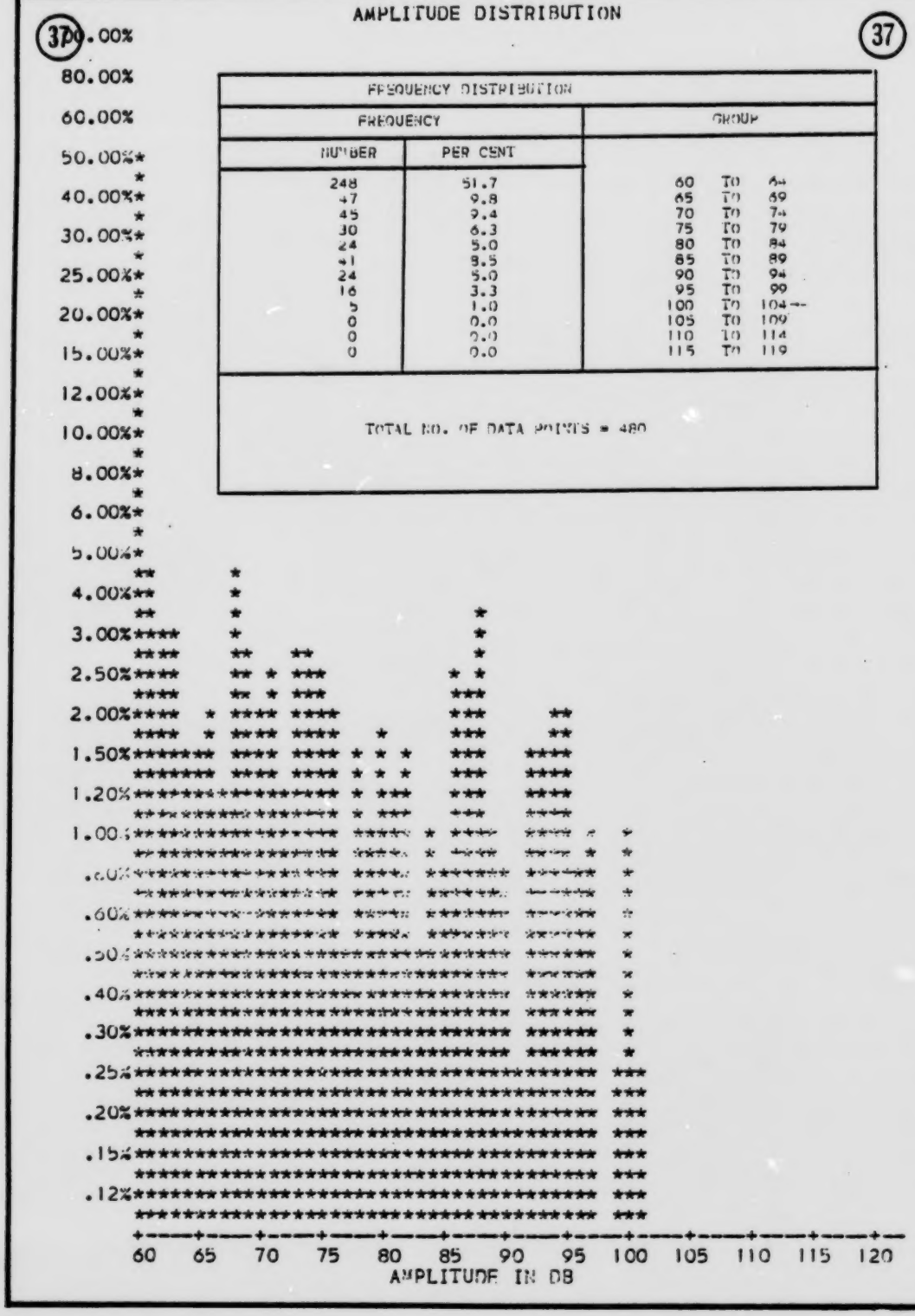
MAX. COMP. = 101 DB

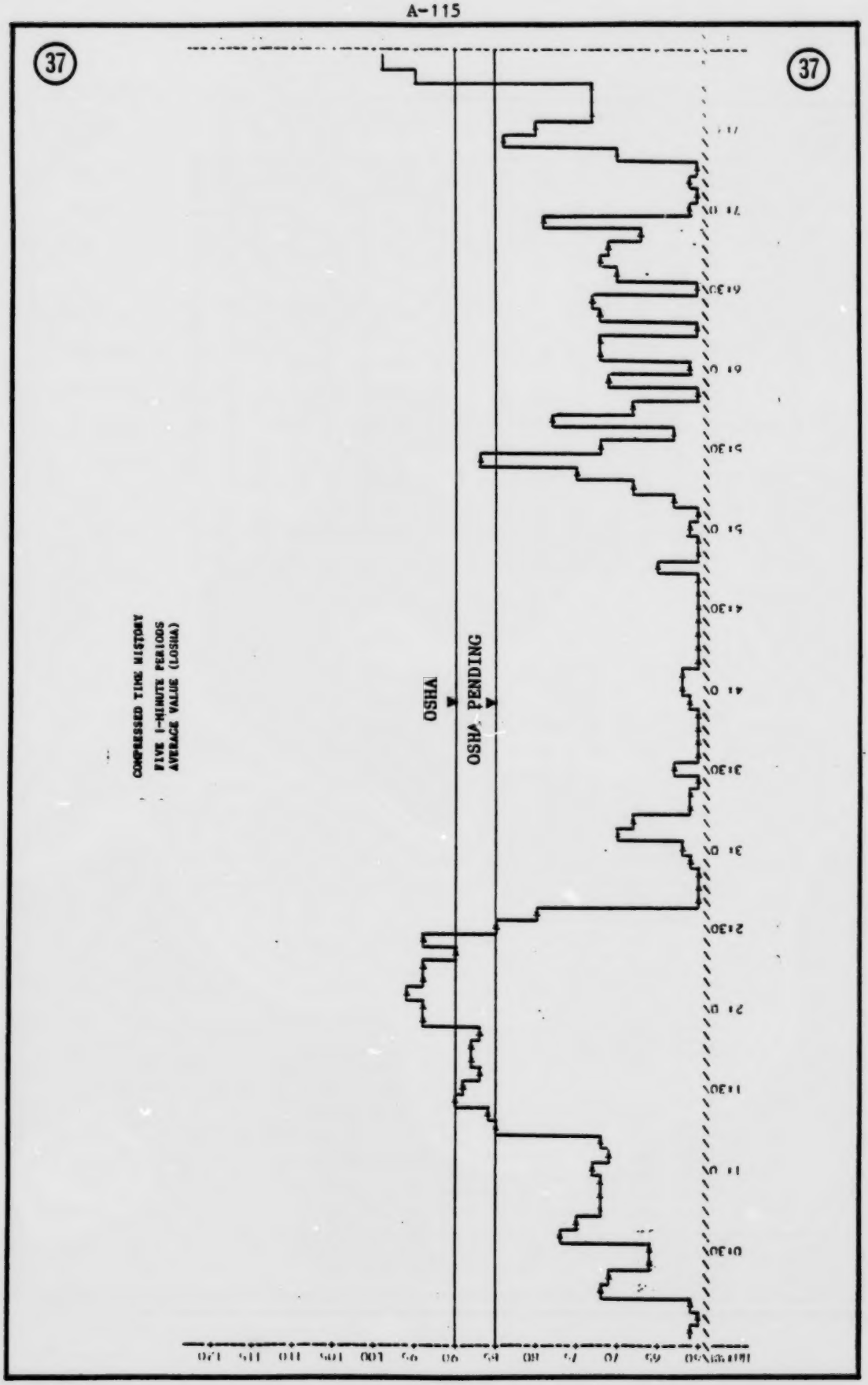
AMPLITUDE DISTRIBUTION

(37) (37)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
248	51.7	60 TO 64
47	9.8	65 TO 69
45	9.4	70 TO 74
30	6.3	75 TO 79
24	5.0	80 TO 84
41	8.5	85 TO 89
24	5.0	90 TO 94
16	3.3	95 TO 99
5	1.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




37
37
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0130
1
1130
2
2130
3
3130
4
4130
5
5130
6
6130
7
7130

(38)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1213   60   64    4    1
        48      115200  480
  60  66  75  61  61  60  64  60  61  72  74  78  80  62  76  67
  77  75  63  60  68  73  75  66  72  67  65  76  81  75  79  80
  80  77  77  81  75  74  67  76  81  75  65  61  67  83  72  73
  70  61  80  62  69  72  70  74  64  76  60  64  74  65  67  65
  68  63  80  82  78  82  78  80  89  76  79  86  89  94  92  91
  91  92  89  99  94  98  96  94  98  99  99  97  98  89  89  95
  97  99  96  98  98  97  93  68  61  64  90  65  61  60  60  60
  61  76  60  65  62  60  61  60  60  62  64  60  68  60  60  63
  64  60  60  60  73  64  63  64  77  60  77  62  60  77  82  83
  89  83  93  91  76  74  81  81  77  88  82  82  85  84  92  97
  95 100  93  97  79  64  60  60  60  60  60  72  60  70  87  94
  90  84  84  84  82  98  96 103 101 106  99 100  85  91  96 101
  98 101 100 100  98  96  92 101 104 101  97 104 102 100  97  79
  78  81  91  94 102 100  99 101  98 100 100  91  82  83  97  96
  96 104  98 100 104 105 105 103  99  97 100  86 103  82 100 106
 105 102  98  97 100  95  78  62  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  62  60  64  60  60  61  86  63  60  60
  60  61  60  60  60  60  60  72  60  60  60  60  60  65  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  65  62  60  89
  90  85  77  77  82  80  82  83  81  84  85  91  75  86 101  86
  80  82  95  90 109  97  95  86  91  85  85  93  78  74  82  83
  84  85  84  84  83  85  85  85  86  84  85 101  97  93  95  98
  98  86  85  82  82  83  92 101  99  98 103 104  81  81  82  84
  85  99  96  85  85  82  83  83  83  83  84  88  99  95  99  97
  81  84  85  81  87  97  99  94  83 100  93  85 101 103  93  86
 102  96  86  86 101  99  95  87 104 105 105 101 106  99 100  98
  87  87  84  67  75  85  85  86  86  80  60  60  60  78  63  79
  77  84  84  73  79  82  80  82  76  77  81  81  80  80  80  80
  80  80  81  81  81  81  81  81  81  80  79  81  80  81  80  81
  81  80  80  80  80  79  76  65  60  60  60  60  60  60  60  60
%EOF
```

(38)

```
ENTER LOG DATE (DD/MM/YR) : 12/09/79
ENTER SITE CODE (5 CHARS) : 26965

ENTER USER CODE (4 CHARS) : 2748
 ENTER JOB CODE (3 CHARS) : 240
```

```
   DATA LOGGED :12 SEPT 1979          DATA ANALYZED : 27 SEPT 1979
        LOGGER : DB-301/26                 SITE CODE : 26965
 SERIAL NUMBER : 1213                       JOB CODE : 240
      BASELINE : 60 DB                     USER CODE : 2748
 DYNAMIC RANGE : 64 DB                    THRESHOLD : 60 DB
 SAMPLING RATE :  4/SEC                TOTAL SAMPLES = 115200
 TEST DURATION =   8: 0: 0              STANDBY TIME =   0: 0:12
```

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HR
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 60 DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

TIME	LOSHA		DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	73.6	73.6	1.282	1.28
2	91.4	87.0	15.203	16.49
3	84.5	86.3	5.828	22.31
4	99.2	92.1	44.967	67.28
5	84.1	91.1	5.547	72.83
6	91.1	91.1	14.545	87.37
7	96.1	92.1	29.270	116.64
8	79.1	91.3	2.768	119.41

MIN. COMP. = 60 DB MAX. COMP. = 109 DB
ARITHMETIC MEAN = 80 DB
STD. DEVIATION = 14 DB
VARIANCE =196 DB

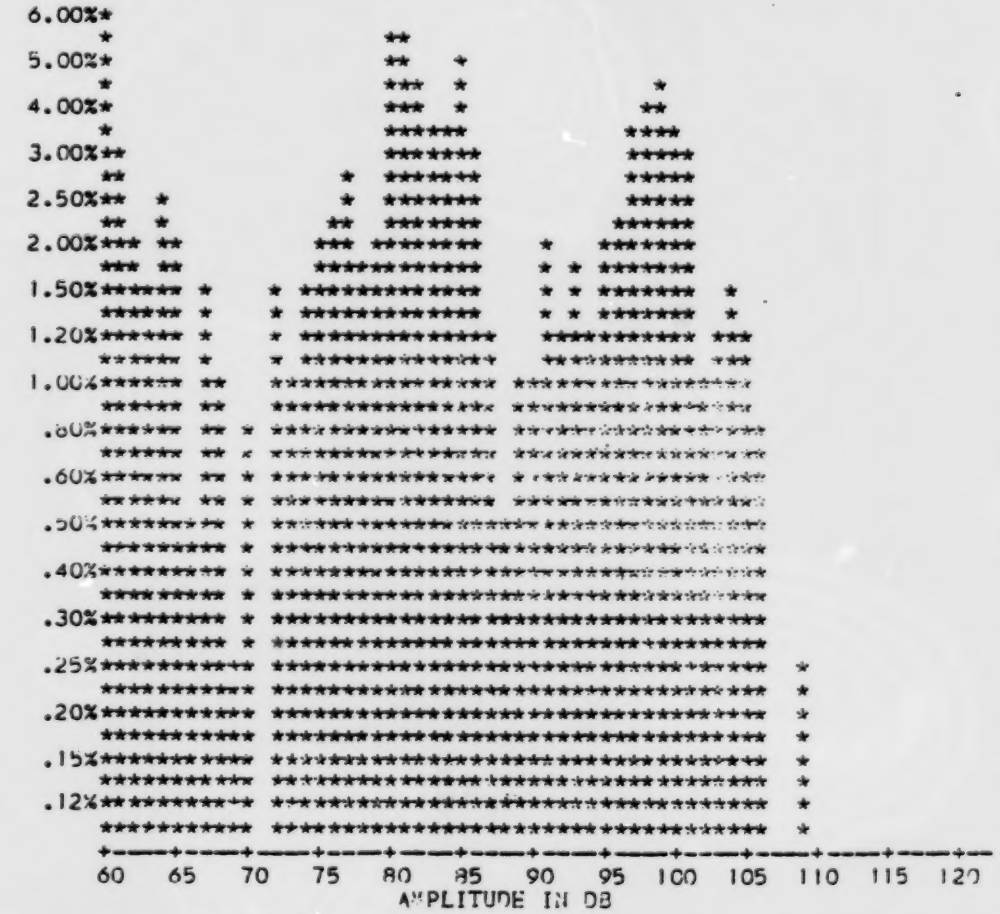
AMPLITUDE DISTRIBUTION

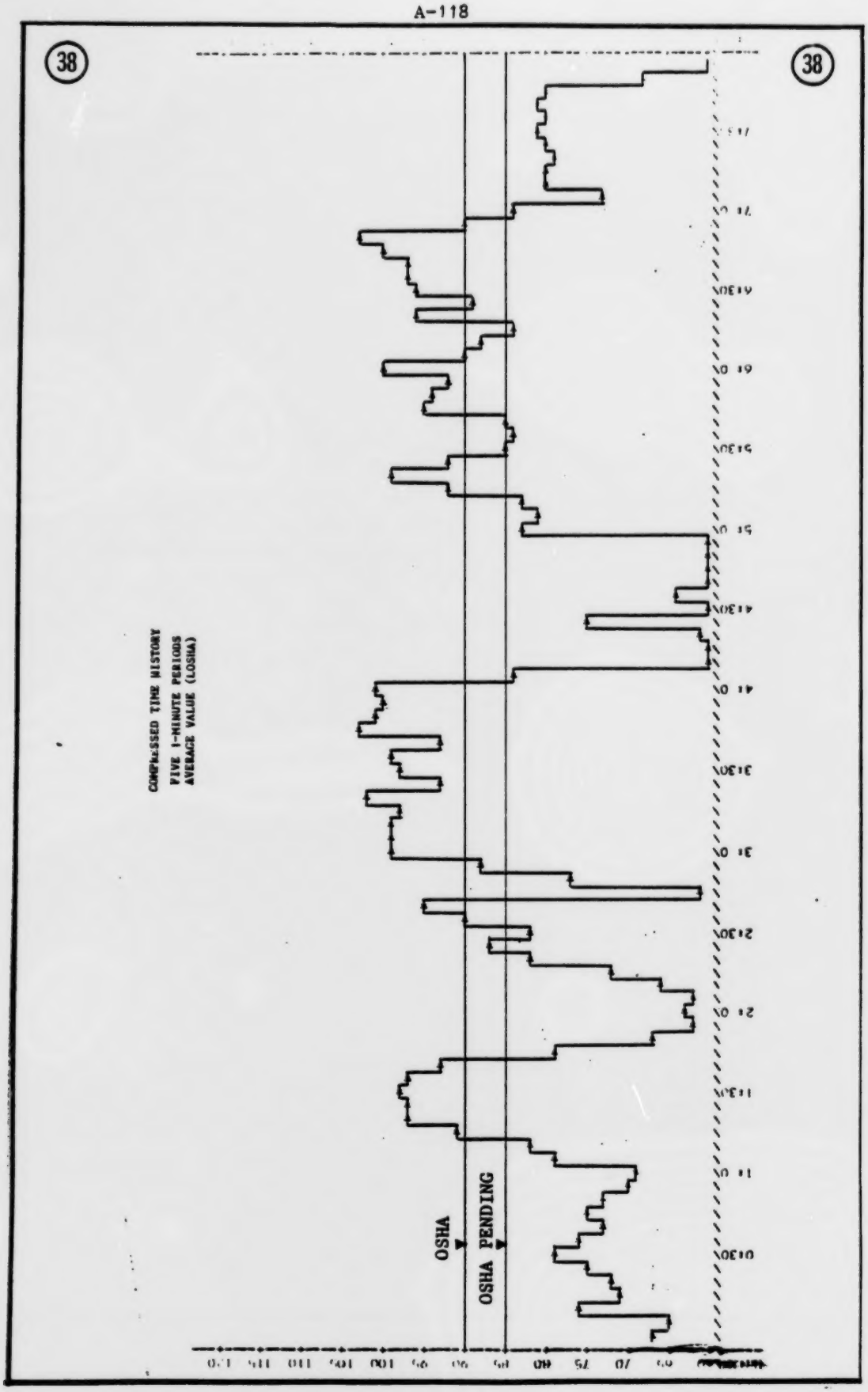
(38) (38)

FREQUENCY DISTRIBUTION

FREQUENCY		GROUP
NUMBER	PER CENT	
119	24.8	60 TO 64
21	4.4	65 TO 69
19	4.0	70 TO 74
43	9.0	75 TO 79
92	19.2	80 TO 84
43	9.0	85 TO 89
29	6.0	90 TO 94
64	13.3	95 TO 99
41	8.5	100 TO 104
9	1.9	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




38
38
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
01:30
1 0
11:30
2 0
2:30
3 0
3:30
4 0
4:30
5 0
5:30
6 0
6:30
7 0
7:30

39

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

39

```
  1  26  80  1224   60   64    4    1
     51    115200  480
 60  60  60  60  60  60  60  60  60  60  60  62  61  69  73  62
 62  64  63  66  60  60  60  62  63  64  60  69  60  63  66  71
 66  68  75  66  70  72  77  72  68  72  78  75  65  62  62  60
 61  61  60  61  69  67  67  75  60  62  71  65  69  60  62  71
 76  76  64  61  67  71  77  76  70  68  74  87  77  81  84  78
 90  75  82  94  86  85  87  90  92  86  86  87  85  85  85  87
 87  88  86  88  91  88  86  85  86  86  87  85  85  85  86  88
 91  91  94  91  93  90  91  92  93  93  96  97  96  93  92  93
 96  95  96  98  95  93  92  79  92  91  94  85  86  95  96  92
 95  89  87  80  88  71  60  61  60  60  63  69  73  60  60  60
 65  61  60  61  72  60  74  60  60  63  60  60  60  60  64  62
 60  61  62  72  68  77  60  60  79  83  80  78  60  64  74  63
 62  64  60  72  68  67  72  70  60  60  61  63  63  60  60  66
 61  74  74  67  73  71  69  68  73  65  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  66  60  60  75  60  60
 60  60  60  69  60  60  60  61  61  60  60  60  60  61  60  62
 67  60  60  60  60  60  60  63  62  60  60  60  60  60  60  60
 60  60  60  60  60  60  61  60  60  70  60  81  77  63  64  60
 61  67  60  60  60  67  60  77  71  60  60  60  60  60  64  66
 60  66  65  67  60  66  60  63  69  61  79  63  62  61  65  66
 92  86  88  89  82  79  70  60  75  60  60  61  63  65  69  77
 68  77  77  69  60  60  60  67  60  68  60  60  60  67  60  60
 60  73  73  62  60  60  60  60  60  60  60  69  70  60  60  76
 73  60  60  60  60  60  60  60  60  68  78  66  64  60  60  74
 78  60  63  60  60  60  60  60  68  70  72  66  61  60  60  70
 75  72  60  60  60  67  65  60  60  60  60  72  81  72  75  72
 60  60  60  63  60  60  61  60  60  60  60  65  64  60  63  62
 60  60  60  60  70  62  64  60  60  60  61  60  60  60  78  78
 73  61  66  74  81  82  84  90  82  76  79  74  81  72  71  67
 63  63  67  61  61  71  60  62  63  64  60  61  60  60  61  88
SEOF
```

```
ENTER LOG DATE (DD/MM/YR) : 12/09/79
ENTER SITE CODE (5 CHARS) : 26965
ENTER USER CODE (4 CHARS) : 7774
 ENTER JOB CODE (3 CHARS) : 240
```

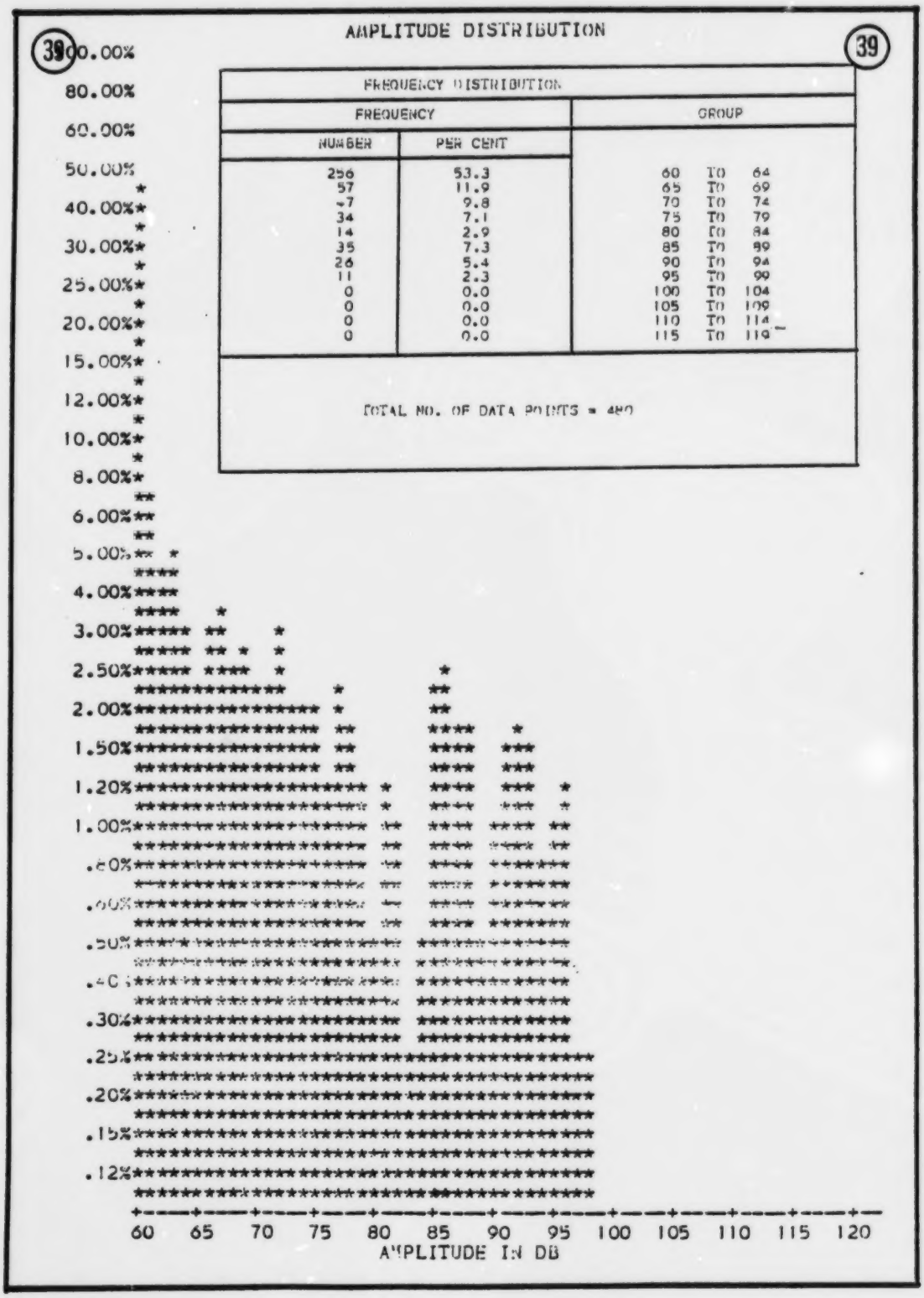
```
   DATA LOGGED :12 SEPT 1979                DATA ANALYZED : 27 SEPT 1979
       LOGGER : DB-301/26                       SITE CODE : 26965
SERIAL NUMBER : 1224                            JOB CODE : 240
     BASELINE : 60 DB                           USER CODE : 7774
SYNAMIC RANGE : 64 DB                           THRESHOLD :  [illegible]
SAMPLING RATE :  4/SEC                      TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0                   STANDBY TIME =    : 0:12
```

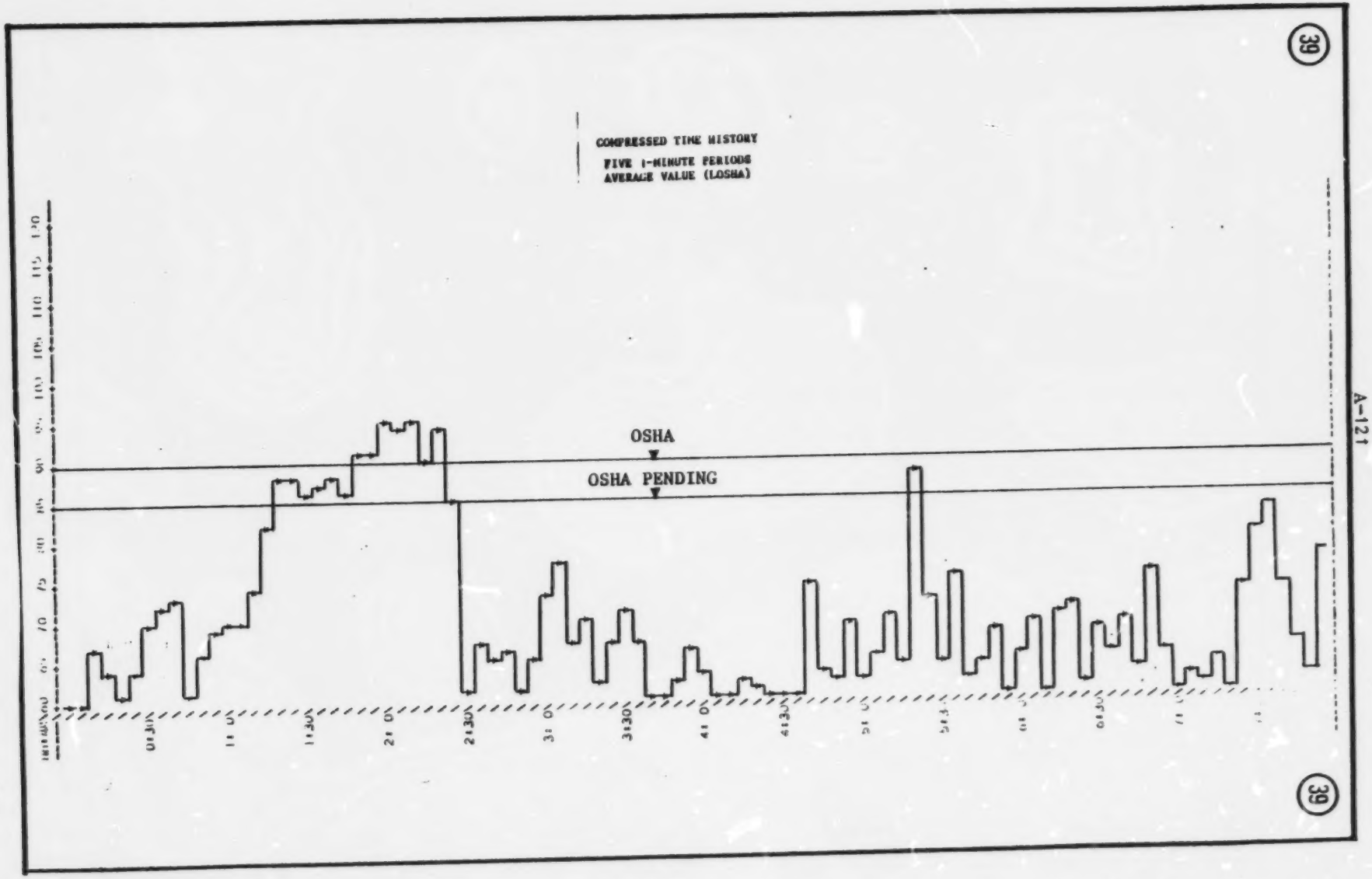
TIME HISTORY ANALYSIS

```
NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = [illegible] DB / 8 HRS
EXCHANGE (DOUBLING) RATE = [illegible]
THRESHOLD (CUTOFF) LEVEL = [illegible] DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

TIME	LOGMA		DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	67.0	67.0	.513	.51
2	86.0	81.5	7.215	7.73
3	[illegible]	[illegible]	9.517	17.25
4	68.7	82.6	.6[illegible]	17.90
5	64.6	81.1	.370	18.27
6	73.8	80.3	1.316	19.59
7	67.8	79.4	.576	20.16
8	72.9	78.9	1.169	21.33

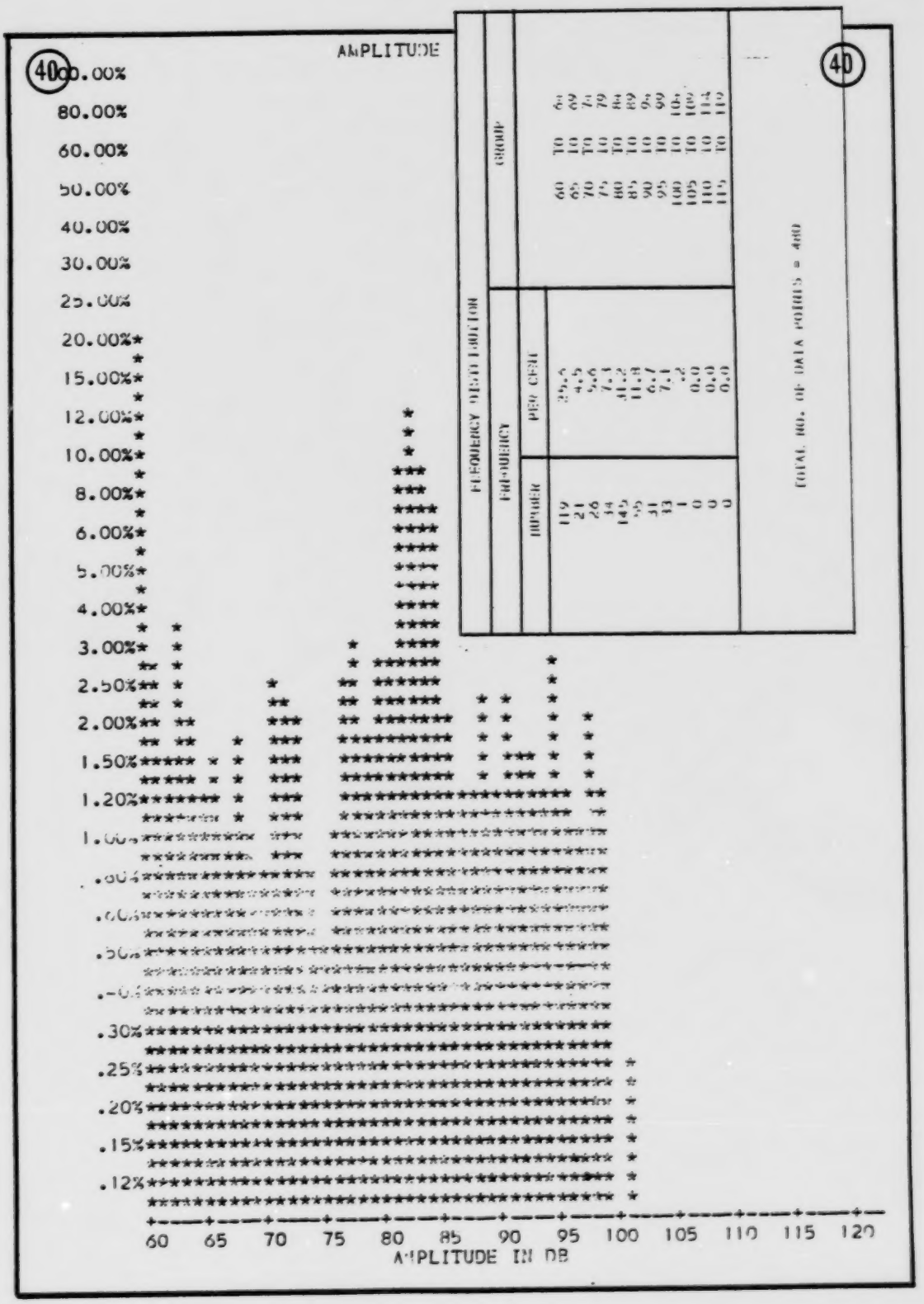
```
MIN. COMP. =  60 DB                  MAX. COMP. =  98 DB
ARITHMETIC MEAN =  68 DB
STD. DEVIATION =  11 DB
VARIANCE =121 DB
```

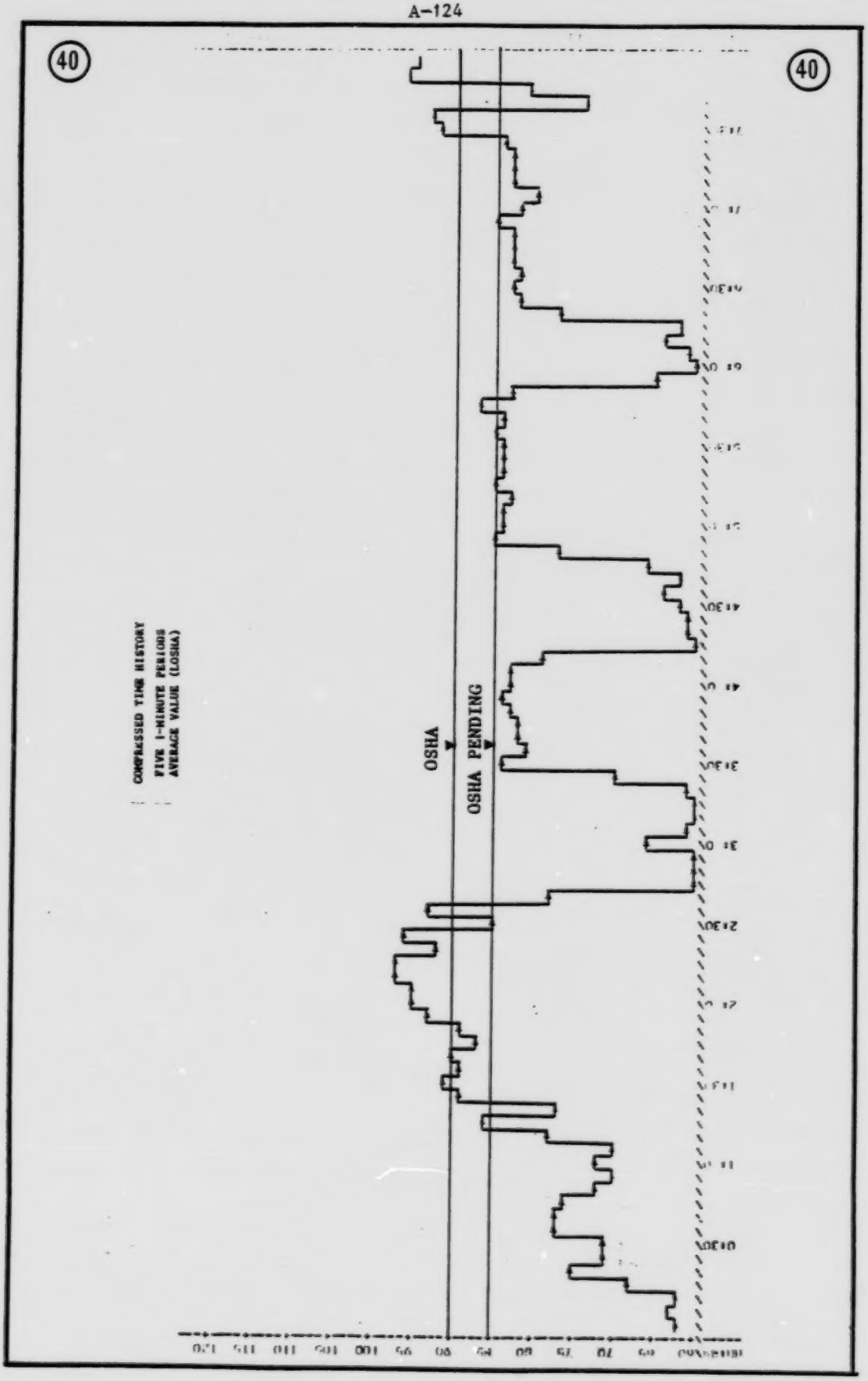

AMPLITUDE DISTRIBUTION
39
39
FREQUENCY DISTRIBUTION
FREQUENCY
NUMBER
PER CENT
GROUP
256 53.3 60 TO 64
57 11.9 65 TO 69
47 9.8 70 TO 74
34 7.1 75 TO 79
14 2.9 80 TO 84
35 7.3 85 TO 89
26 5.4 90 TO 94
11 2.3 95 TO 99
0 0.0 100 TO 104
0 0.0 105 TO 109
0 0.0 110 TO 114
0 0.0 115 TO 119
TOTAL NO. OF DATA POINTS = 480
80.00%
60.00%
50.00%
40.00%
30.00%
25.00%
20.00%
15.00%
12.00%
10.00%
8.00%
6.00%
5.00%
4.00%
3.00%
2.50%
2.00%
1.50%
1.20%
1.00%
.80%
.60%
.50%
.40%
.30%
.25%
.20%
.15%
.12%
60 65 70 75 80 85 90 95 100 105 110 115 120
AMPLITUDE IN DB


39
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
39

(40) (40)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1216   60   64    4    1
      76    115200  480
  62  64  64  61  60  62  60  63  65  63  61  64  60  60  63  62
  60  68  68  73  80  73  68  74  73  78  66  64  65  71  72  73
  71  72  62  72  77  80  78  77  83  78  64  61  80  77  79  77
  72  71  77  66  73  71  63  76  68  64  67  70  72  75  71  71
  69  70  72  72  67  69  83  78  76  74  77  82  85  85  89  86
  60  72  68  80  84  89  96  83  81  82  82  91  90  94  94  89
  90  89  89  86  88  91  91  91  89  90  91  86  89  86  89  88
  90  83  89  91  91  91  96  96  99  93  95  92  93  93  93  95
  97  98  98  96  95  95  98  97  99  99  97  94  93  81  93  92
  95  87  94  95  98  99  88  81  87  77  85  95  101  82  82  80
  79  78  79  78  77  60  60  60  60  60  60  60  60  60  61  60
  60  60  60  60  71  67  61  63  60  61  60  60  60  63  60  60
  60  60  60  61  60  60  60  60  60  60  60  63  63  60  60  60
  60  60  64  83  84  85  84  81  82  81  81  79  80  83  84  85
  78  73  78  82  84  85  84  84  83  82  83  84  85  83  85  85
  81  82  82  83  85  84  83  83  83  80  82  82  81  76  60  60
  60  60  60  60  61  60  60  60  62  60  60  60  64  60  60  60
  66  64  60  60  63  66  68  61  63  60  63  60  63  63  74  60
  60  60  60  60  71  83  83  84  85  85  85  85  84  84  84  84
  84  84  84  84  85  85  81  82  82  84  86  86  85  85  84  83
  83  83  84  84  84  84  87  83  82  83  82  82  84  85  86  85
  85  85  85  84  84  84  84  85  83  82  81  83  90  92  87  78
  80  82  83  60  61  60  60  73  60  60  60  60  60  65  60  60
  60  60  61  65  62  63  66  65  60  63  60  60  67  78  81  80
  69  73  82  84  83  83  83  83  84  83  83  82  82  82  83  82
  83  83  83  83  83  83  83  83  83  83  83  83  83  83  83  84
  85  85  85  85  83  82  82  82  79  77  75  78  82  83  83  83
  83  83  84  84  83  82  84  80  82  82  84  83  82  82  82  86
  79  89  78  88  98  92  92  98  96  94  83  77  68  72  76  79
  70  66  71  71  60  91  87  95  98  99  98  95  95  97  95  92
%EOF


ENTER LOG DATE (DD/MM/YR) : 12/09/79
ENTER SITE CODE (5 CHARS) : 32990
ENTER USER CODE (4 CHARS) : 2277

 ENTER JOB CODE (3 CHARS) : 240


   DATA LOGGED :12 SEPT 1979          DATA ANALYZED : 27 SEPT 1979
        LOGGER : DB-301/26 -                SITE CODE : 32990
SERIAL NUMBER : 1216                        JOB CODE : 240
      BASELINE : 50 DB                      USER CODE : 2277
DYNAMIC RANGE : 64 DB                      THRESHOLD : [illegible]
SAMPLING RATE :  4/SEC                  TOTAL SAMPLES = 115200
TEST DURATION =  [illegible]                STANDBY TIME = [illegible]

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
1004 DOSE = [illegible]
[illegible] (COMPLIED) [illegible] = [illegible]
[illegible] (CUTOFF) LEVEL = [illegible]
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOGMA                      DOSE
HOUR     CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
  1       72.1      72.1          1.038      1.04
  2       87.1      83.0          8.407      9.45
  3       91.7      87.1         15.734     25.18
  4       78.4      85.7          2.[illegible]     27.69
  5       76.2      84.6          1.841     29.52
  6       83.7      84.5          5.239     34.76
  7       79.8      83.9          3.044     37.80
  8       86.5      84.7         10.203     48.00
MIN. COMP. =  60 DB                MAX. COMP. = 101 DB
ARITHMETIC MEAN =  77 DB
STD. DEVIATION =  12 DB
VARIANCE =144 DB
```


AMPLITUDE
40
80.00%
60.00%
50.00%
40.00%
30.00%
20.00%
15.00%
12.00%
10.00%
8.00%
6.00%
5.00%
4.00%
3.00%
2.50%
2.00%
1.50%
1.20%
.30%
.25%
.20%
.15%
.12%
60 65 70 75 80 85 90 95 100 105 110 115 120
AMPLITUDE IN DB
FREQUENCY DISTRIBUTION
GROUP
FREQUENCY
PER CENT
NUMBER
TOTAL NO. OF DATA POINTS = 400


40
40
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

(41)

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
1 26 80 1214 60 64 4 1
139 115200 480

66	69	66	62	60	60	60	64	61	60	62	60	60	60	60	60
60	63	74	77	62	73	68	73	70	73	72	70	74	73	73	70
74	77	66	68	67	68	64	64	63	60	63	60	60	60	62	60
62	75	68	65	71	66	69	63	74	75	67	65	61	61	67	69
60	62	66	74	71	61	63	60	60	73	76	78	65	64	67	60
60	70	66	69	75	72	71	65	67	69	64	64	68	68	60	60
63	61	62	60	67	74	80	81	75	66	71	76	87	87	87	87
78	61	60	80	90	90	86	87	89	88	88	90	91	87	86	86
86	85	86	84	82	87	85	87	86	80	74	64	64	67	77	78
75	60	60	70	73	60	60	60	60	60	78	61	60	61	60	60
60	60	60	82	89	88	89	89	95	97	100	100	98	101	101	100
99	101	90	93	100	99	96	99	99	100	100	99	97	98	100	98
93	98	94	100	97	98	96	99	96	98	99	95	94	96	96	98
97	96	97	86	90	87	80	72	83	60	61	60	60	64	68	61
60	63	60	60	70	69	75	67	68	62	66	65	70	64	60	67
82	78	86	82	71	68	73	67	69	79	83	77	66	65	60	62
65	78	78	82	69	74	62	77	71	70	79	83	82	82	78	78
68	76	79	80	79	85	85	91	77	85	82	76	67	72	61	62
65	71	73	73	75	77	79	69	73	65	79	64	70	76	75	82
74	80	82	76	81	80	63	82	71	73	81	82	77	82	72	82
72	75	66	76	75	75	77	79	76	70	71	68	75	63	72	71
67	73	69	65	69	73	75	85	84	88	90	82	65	60	69	68
62	60	66	70	61	60	66	60	62	63	61	65	61	66	73	87
93	87	67	67	66	66	65	65	62	61	63	68	67	71	73	65
69	61	74	69	81	83	76	75	75	75	77	71	77	77	65	73
65	60	63	73	73	83	79	81	80	79	72	88	84	87	85	82
77	60	79	80	73	60	72	72	72	64	60	61	61	64	62	72
61	60	60	60	72	62	60	60	60	60	60	60	66	75	60	60
60	60	60	60	60	60	60	62	60	60	64	63	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	61	61	60	60	60

%EOF

(41)

ENTER LOG DATE (DD/MM/YR) : 13/09/79
ENTER SITE CODE (5 CHARS) : 20951
ENTER USER CODE (4 CHARS) : 4420

ENTER JOB CODE (3 CHARS) : 240

DATA LOGGED :13 SEPT 1979
LOGGER : U3-301/26
SERIAL NUMBER : 1214
BASELINE : 30 DB
DATA IC GAIN : 64 DB
SAMPLING RATE : 4/SEC
[illegible] = [illegible]

DATA ANALYZED : 27 SEPT 1979
SITE CODE : 20951
JOB CODE : 240
USER CODE : 4420
PROGRAM : [illegible]
TOTAL SAMPLES = [illegible]
SAMPLE RATE = [illegible]

TIME HISTORY ANALYSIS

[illegible] EQUIVALENT LEVEL (L.E.L.) CALCULATIONS
[illegible] THE FOLLOWING
[illegible]
[illegible] = 2 DB
[illegible] = 0 DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

HOUR	LEVEL CURRENT	LEVEL CUMULATIVE	ENERGY CURRENT	ENERGY CUMULATIVE
1	68.3	68.3	.614	.61
2	76.7	73.6	1.968	2.58
3	79.3	77.2	11.709	14.29
4	81.3	79.2	19.836	34.13
5	77.9	80.1	2.331	36.46
6	76.8	80.2	2.002	38.46
7	77.6	80.5	2.246	40.71
8	63.6	80.6	.323	41.03

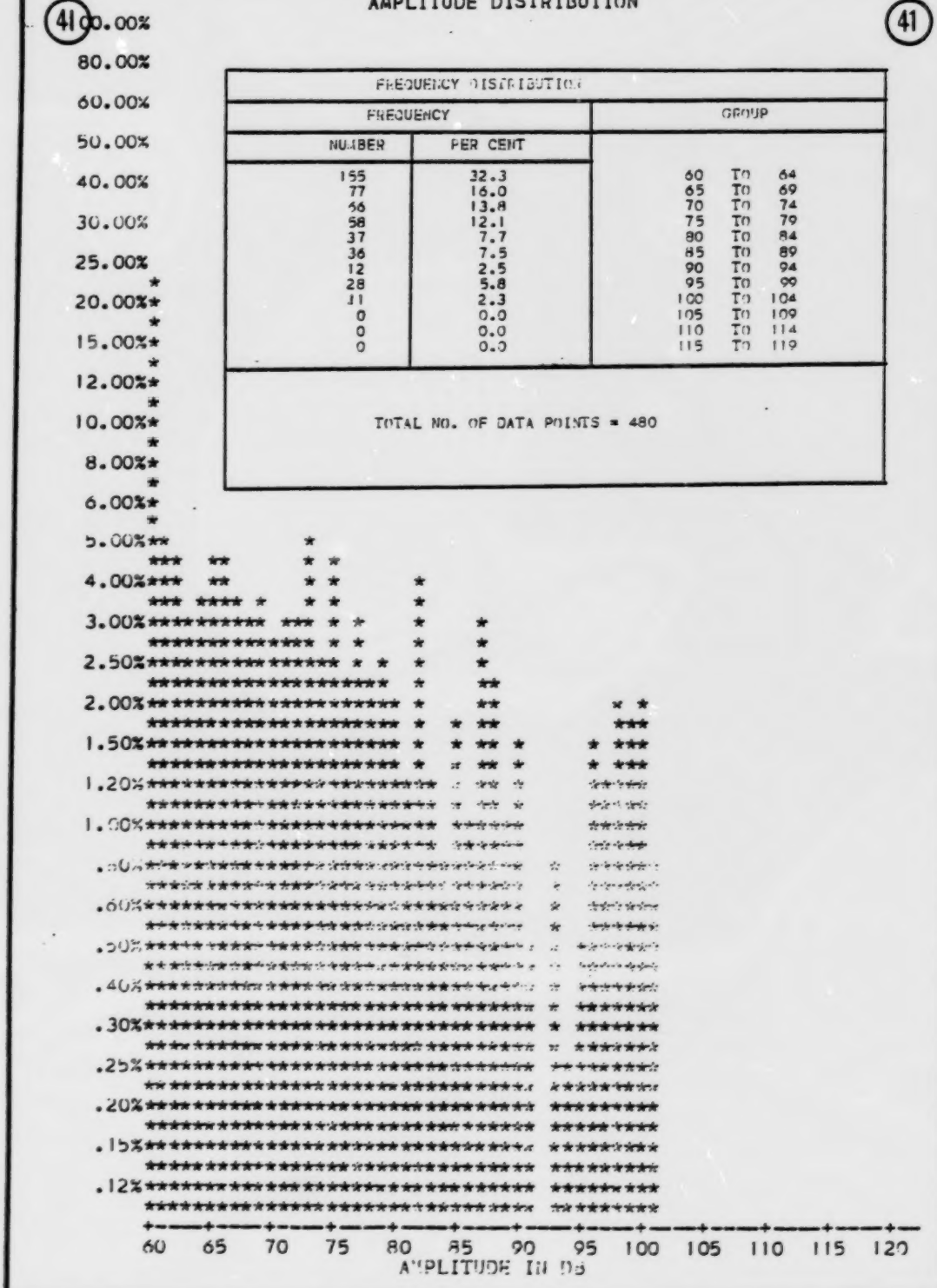
MIN. COMP. = 60 DB
MAX. COMP. = 101 DB
ARITHMETIC MEAN = 72 DB
STD. DEVIATION = 12 DB
VARIANCE = 146 DB

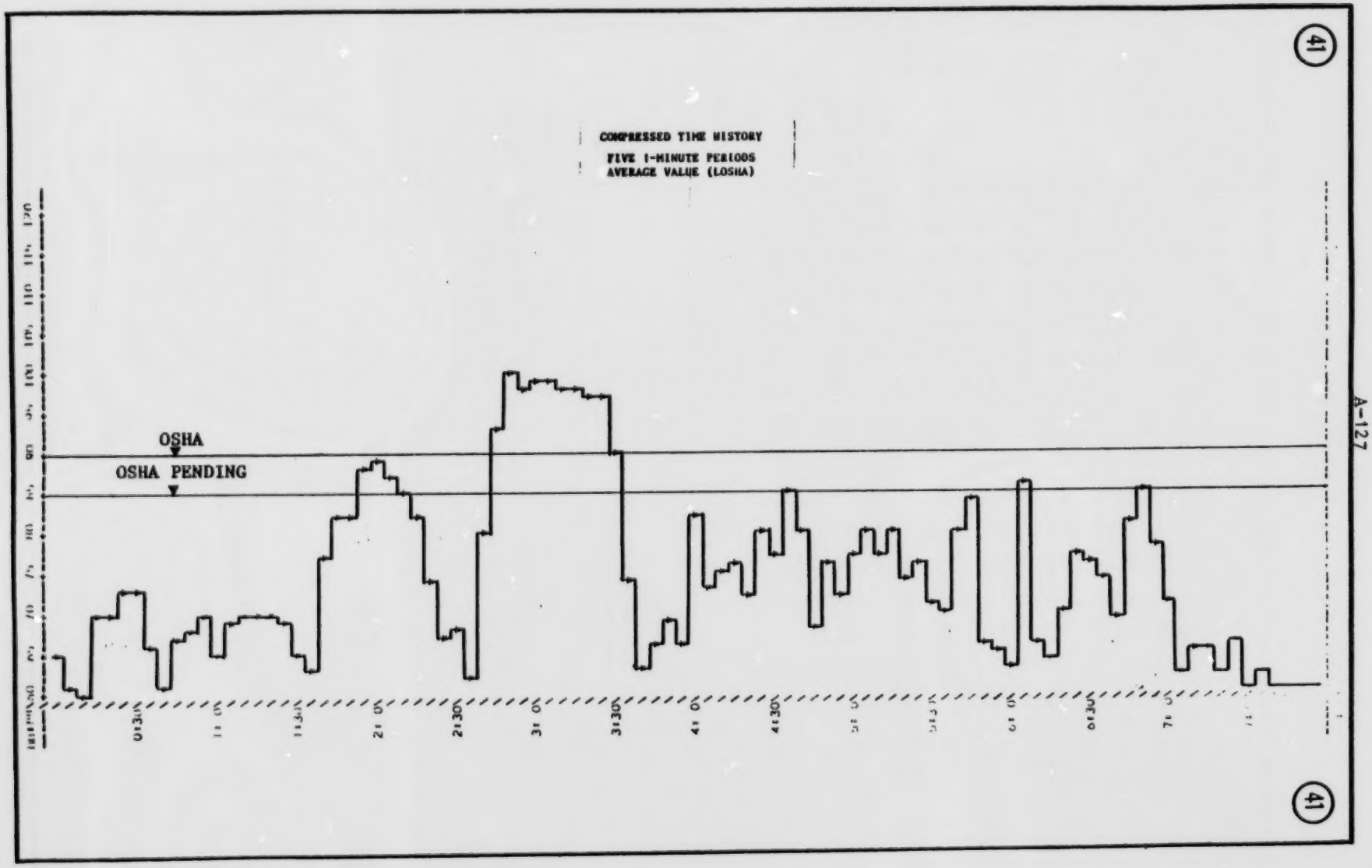
AMPLITUDE DISTRIBUTION

(41) (41)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
155	32.3	60 TO 64
77	16.0	65 TO 69
66	13.8	70 TO 74
58	12.1	75 TO 79
37	7.7	80 TO 84
36	7.5	85 TO 89
12	2.5	90 TO 94
28	5.8	95 TO 99
11	2.3	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




41
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
41

(42)

PLACE TAPE IN READER THEN TYPE A "SPACE" AND A "RETURN"
1 26 80 1217 60 64 4 1
105 1152 00 480

62	61	63	72	64	66	62	60	63	65	60	60	60	63	60	60
62	60	60	65	73	78	69	70	77	72	70	76	75	73	76	77
76	75	74	77	75	78	76	75	80	79	71	76	78	80	77	75
75	76	76	74	74	66	77	76	77	60	75	65	60	60	61	60
61	63	60	60	73	77	80	77	73	65	61	60	61	61	60	63
73	66	67	72	75	66	68	65	60	62	64	65	60	61	62	60
60	60	62	60	60	60	64	62	74	72	61	64	65	63	85	85
89	83	86	83	85	84	87	87	89	65	88	94	89	89	89	94
95	92	91	91	91	93	92	88	76	71	82	90	88	91	92	94
94	89	90	74	82	84	90	89	89	87	89	88	90	95	89	95
93	93	95	95	96	95	96	90	89	94	90	85	89	84	90	79
79	82	87	88	80	60	60	73	60	60	60	60	60	67	60	60
60	60	60	60	60	60	60	60	60	60	60	60	61	74	81	74
83	84	80	85	96	97	96	84	83	77	86	79	76	98	85	85
86	86	86	87	87	90	88	87	94	97	97	95	86	77	83	85
73	71	84	70	78	64	60	65	80	82	86	85	82	92	96	97
95	86	84	80	81	81	77	82	83	82	77	76	76	73	60	62
61	63	60	64	60	60	60	60	60	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	61	60	60	60	60	76	87	91
86	86	89	88	80	85	83	74	79	80	80	76	80	79	80	82
83	86	92	94	94	92	90	94	95	95	94	92	91	86	84	83
81	81	83	82	82	83	84	83	83	83	83	85	80	81	83	89
93	92	91	86	85	88	89	85	84	89	87	84	83	83	87	89
82	84	91	85	85	84	86	86	91	90	92	93	92	89	89	90
89	92	92	95	95	94	90	90	82	83	82	86	83	84	85	90
95	95	96	96	90	83	82	85	84	83	84	88	84	84	83	89
93	96	95	96	97	97	96	97	95	92	92	93	93	93	93	92
88	88	87	87	82	84	84	82	84	92	91	86	93	90	92	89
86	86	95	100	90	94	85	84	83	84	84	84	83	82	82	81
82	82	88	95	95	92	93	96	96	95	93	93	93	90	78	61

%EOF

(42)

ENTER LOG DATE (DD/MM/YR) : 13/09/79

ENTER SITE CODE (5 CHARS) : 39990

ENTER USER CODE (4 CHARS) : 4722
ENTER JOB CODE (3 CHARS) : 240

DATA LOGGED : 13 SEPT 1979
LOGGER : DB-301/26
SERIAL NUMBER : 1217
BASELINE : 60 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE : 4/SEC
TEST DURATION = 4.8 HRS

DATA ANALYZED : 27 SEPT 1979
SITE CODE : 39990
JOB CODE : 240
USER CODE : 4722
THRESHOLD : 85
TOTAL SAMPLES = 1152
STAND / TIM = 0 0.4

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
LOW DOSE = 80 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 85 DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

TIME INTERVAL	LOGGA CUMULATIVE		SOUND CUMULATIVE	
1	73.0	73.0	1.191	1.19
2	75.8	74.5	1.738	2.93
3	90.2	83.7	12.770	15.70
4	84.6	83.9	5.477	21.18
5	80.1	83.3	3.177	24.75
6	86.9	84.0	8.115	32.87
7	89.6	85.1	11.761	44.63
8	91.0	86.2	14.421	59.05

MIN. COMP. = 60 DB
MAX. COMP. = 100 DB
ARITHMETIC MEAN = 76 DB
STD. DEVIATION = 12.04
VARIANCE = 144.98

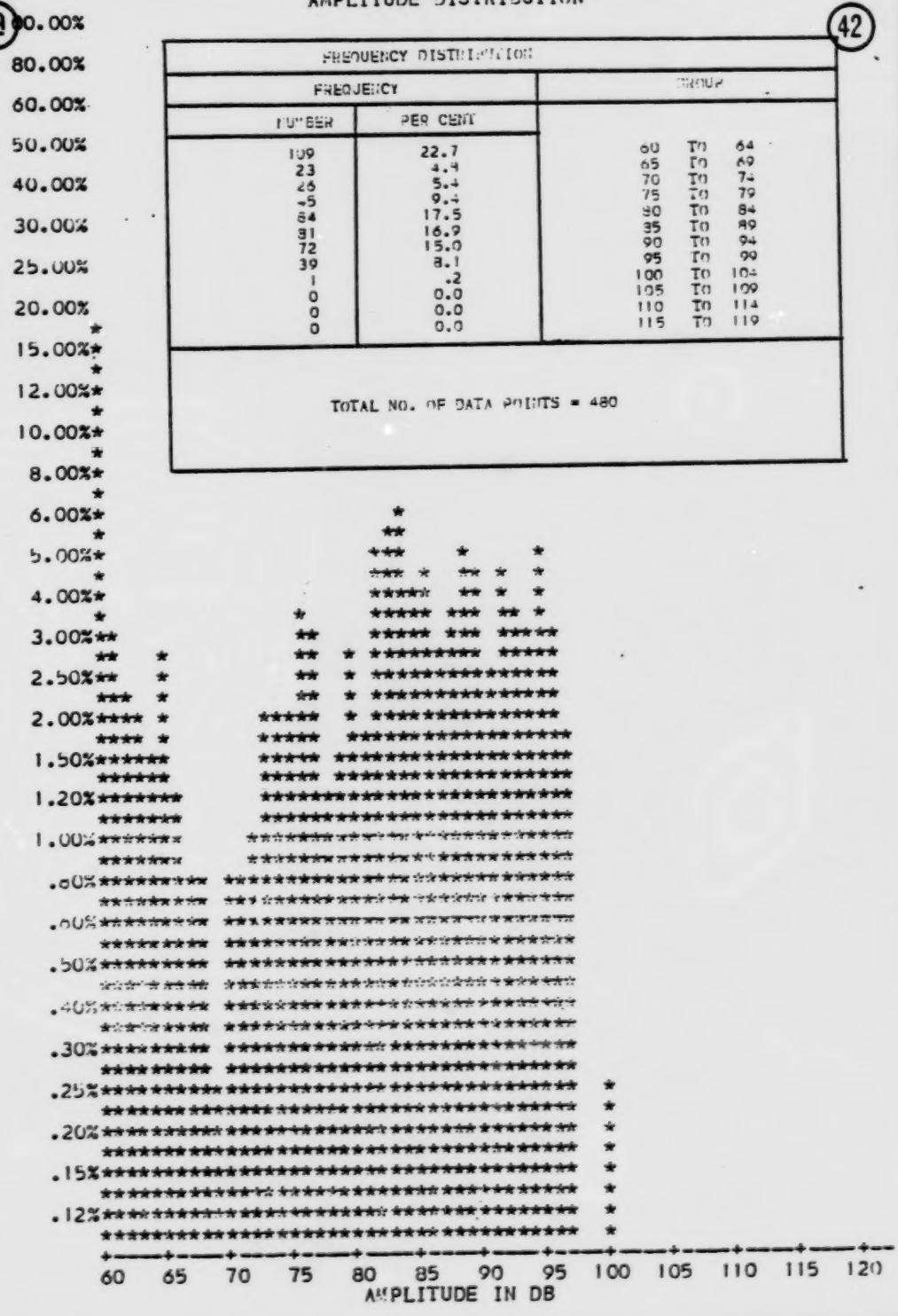
AMPLITUDE DISTRIBUTION

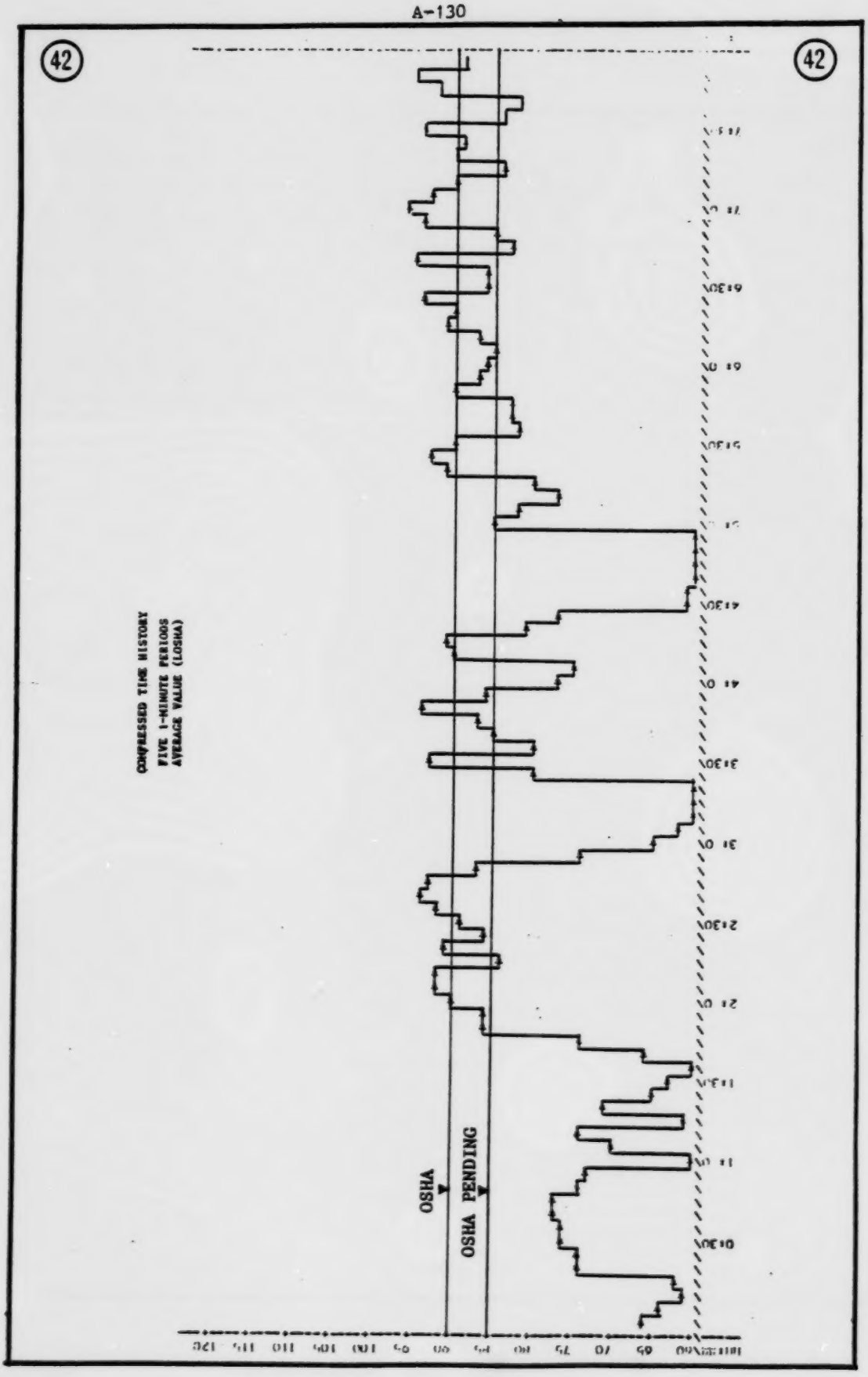
(42) (42)

FREQUENCY DISTRIBUTION

FREQUENCY		GROUP
NUMBER	PER CENT	
109	22.7	60 TO 64
23	4.8	65 TO 69
26	5.4	70 TO 74
45	9.4	75 TO 79
84	17.5	80 TO 84
81	16.9	85 TO 89
72	15.0	90 TO 94
39	8.1	95 TO 99
1	.2	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




42
42
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

(43)

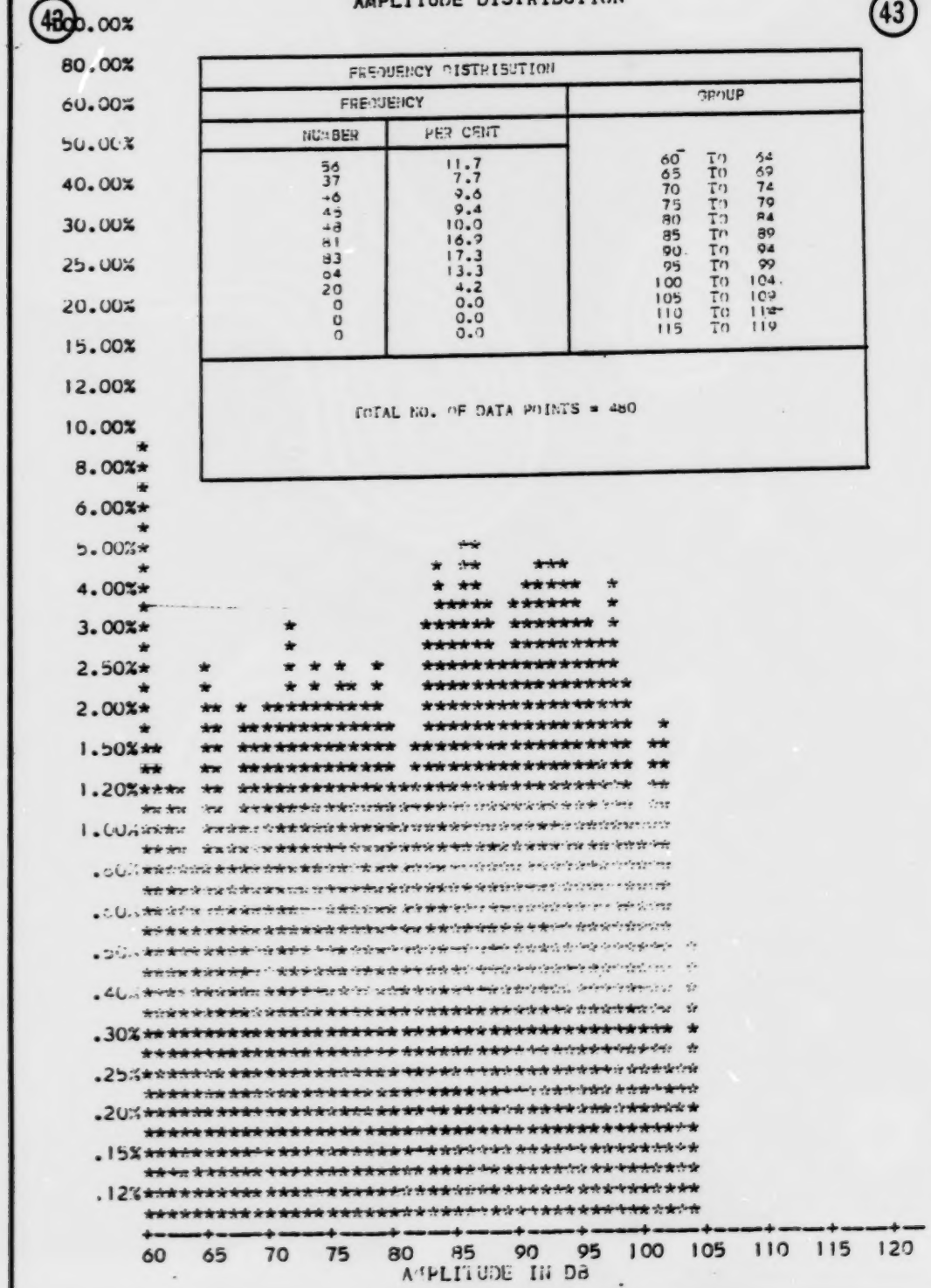
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
 1  26  80  1222    60    64     4     1
      35      115200   480
 70  66  60  60  61  66  60  60  63  62  60  64  60  60  61  71
 74  77  61  76  71  73  70  77  77  74  79  80  76  74  72  78
 74  78  74  80  86  84  78  79  79  66  72  77  79  81  77  76
 70  75  80  78  78  77  77  76  [illegible]  73  73  74  71  71  70  70
 72  74  79  74  72  72  73  71  72  68  66  76  71  73  67  75
 76  65  74  70  64  78  71  69  77  68  63  60  [illegible]  60  60  65
 70  65  72  80  83  79  [illegible]  72  78  75  [illegible]  85  [illegible]  77  87  87
 86  86  96  91  92  88  93  91  90  90  91  96  93  91  92  91
 92  92  93  86  80  82  86  92  91  92  93  97  93  95  86  76
 88  86  95  87  84  90  92  91  94  94  96  97  92  97  93  96
 99  96  97  87  93  96  86  82  94  89  90  76  79  [illegible]  [illegible]  80
 60  60  72  73  60  60  60  66  69  63  65  61  [illegible]  67  72  76
 68  65  68  68  66  62  60  62  71  75  82  79  87  93  85  93
 96  98  97  86  79  64  65  62  73  90  91  90  [illegible]  87  [illegible]  94
 94  92  91  92  99  102  101  98  86  70  81  85  82  85  85  89
 84  74  80  87  89  87  90  89  90  98  102  99  93  88  79  75
 61  60  61  83  83  87  73  81  83  68  66  60  72  [illegible]  60  60
 60  66  60  60  60  68  60  60  65  63  60  60  60  75  67  60
 60  61  62  69  65  60  60  60  63  90  95  94  92  94  88  60
 72  82  82  83  84  85  83  80  84  83  84  87  88  93  97  96
 98  95  95  98  98  98  98  96  93  88  88  85  [illegible]  [illegible]  85  85
 85  86  88  85  86  85  91  84  84  84  90  95  98  97  95  91
 93  93  94  87  91  94  88  86  86  90  92  91  87  92  93  88
 85  88  89  92  97  95  97  96  96  95  92  93  [illegible]  99  99  101
101  100  95  94  86  86  87  91  87  87  91  98  101  101  102  100
 90  85  87  89  87  86  87  92  87  86  89  93  103  102  100  104
104  102  102  102  98  94  92  97  96  94  94  95  95  93  94  90
 89  87  88  83  86  90  89  94  90  83  89  93  100  99  101  99
 95  95  86  86  85  84  84  84  84  83  84  84  83  84  94  99
 98  94  96  99  98  97  95  96  92  91  76  69  76  69  75  68
%EOF


ENTER LOG DATE (DD/MM/YR) : 13/09/79
ENTER SITE CODE (5 CHARS) : 39990
ENTER USER CODE (4 CHARS) : 2277
 ENTER JOB CODE (3 CHARS) : 240

   DATA LOGGED :13 SEPT 1979          DATA ANALYZED : 27 SEPT 1979
        LOGGER : 08-301/26                 SITE CODE : 39990
SERIAL NUMBER : 1222                       JOB CODE : 240
      BASELINE : 60 DB                     USER CODE : 2277
 SYLVATIC NOISE : 64 DB                    THRESHOL  :  [illegible]
 SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  1152 [illegible]
 TEST DURATION =  [illegible]  STANDBY TI[illegible] =  [illegible]

                TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
LOG BASE = 10 DB / 5 DB
THRESHOLD (CUTOFF) LEVEL = 60 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

HOUR        LOGA                    ANTILOG
NUMBER   CURRENT  CUMULATIVE     CURRENT  CUMULATIVE
   1       79.0      79.0         1.573      1.57
   2       80.6      78.4         3.415      4.99
   3       91.4      85.5        15.111     20.10
   4       85.2      84.3         9.786     29.89
   5       84.6      86.0         5.920     35.81
   6       91.2      87.1        14.689     50.50
   7       95.9      89.3        28.383     78.88
   8       92.7      89.8        18.162     97.04
MIN. COMP. =  80 DB                MAX. COMP. = 104 DB
ARITHMETIC MEAN =  82 DB
STD. DEVIATION =  12 DB
VARIANCE =144 DB
```

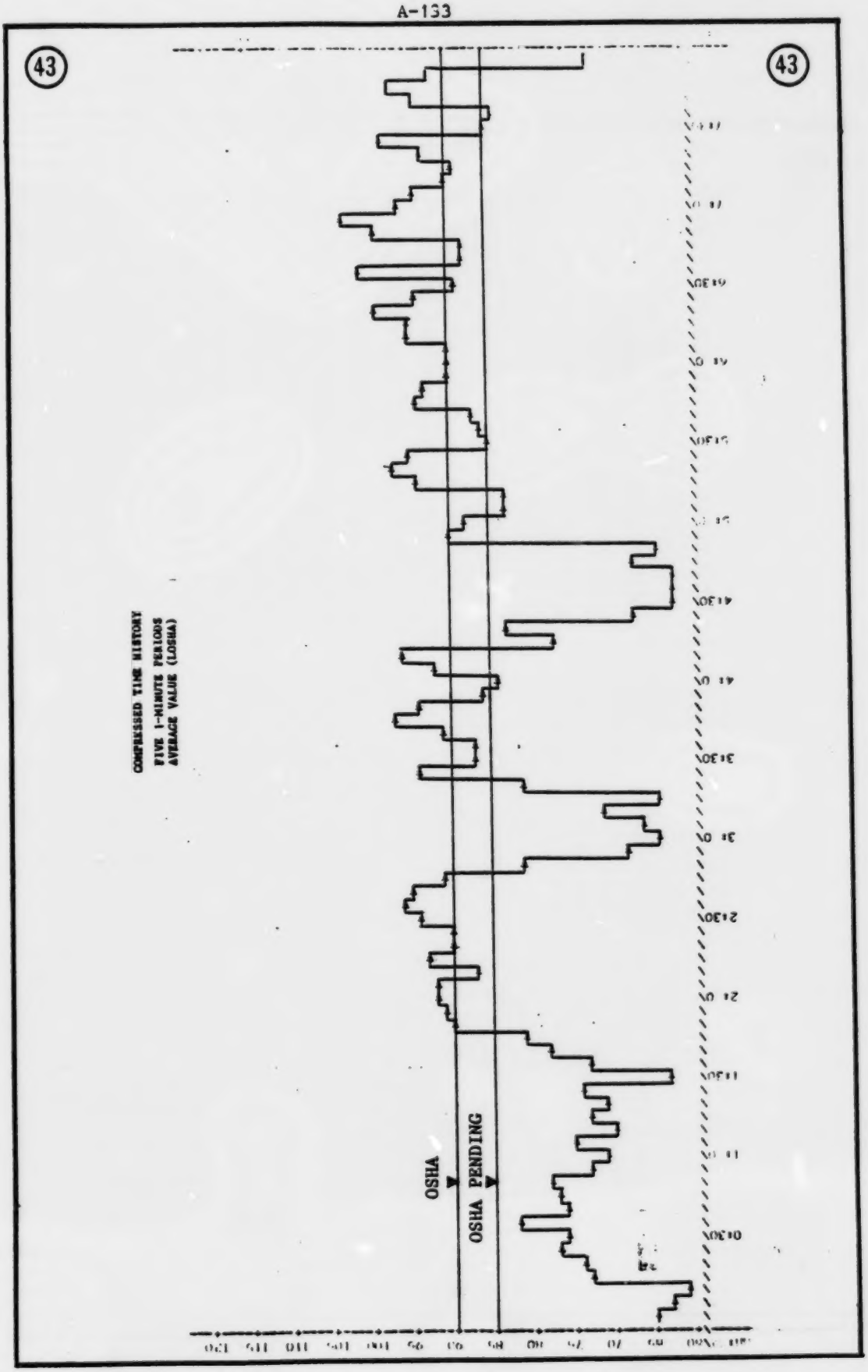
(43)

AMPLITUDE DISTRIBUTION

(43)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
56	11.7	60 TO 64
37	7.7	65 TO 69
46	9.6	70 TO 74
45	9.4	75 TO 79
48	10.0	80 TO 84
81	16.9	85 TO 89
83	17.3	90 TO 94
64	13.3	95 TO 99
20	4.2	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119
TOTAL NO. OF DATA POINTS = 480		




43
43
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

44

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1224   60   64    4    1
      87     115200  480
  61  60  60  60  60  67  66  65  60  60  60  61  63  60  60  62
  60  60  60  60  60  60  67  72  76  60  74  65  71  67  70  67
  64  71  68  71  69  69  74  70  67  77  62  63  70  76  64  65
  60  67  62  62  60  60  65  67  68  66  75  70  62  62  61  60
  65  70  62  60  60  60  60  60  60  60  64  64  61  60  60  60
  61  60  60  60  60  60  71  64  61  65  63  60  60  60  60  64
  60  61  60  60  60  60  60  60  60  67  60  60  60  60  60  60
  60  60  60  68  69  63  63  60  64  60  83  90  86  87  87  88
  91  89  86  86  86  83  83  86  84  81  85  82  87  84  78  67
  60  60  67  74  76  80  60  60  66  68  60  60  60  60  60  78
  60  61  64  60  60  60  60  60  80  88  88  87  88  94  93  96
  94  95  96  96  95  95  96  85  90  96  93  92  93  94  96  95
  94  91  93  94  93  90  97  94  95  92  93  91  95  92  94  95
  90  82  74  64  68  89  75  70  77  92  72  69  61  60  92  69
  60  60  60  93  80  60  60  60  84  87  60  60  60  60  60  60
  60  60  60  71  74  94  72  60  60  60  90  89  83  72  78  81
  83  78  66  83  92  90  76  62  76  75  64  90  90  74  79  80
  81  97  81  60  60  74  83  82  94  82  79  83  97  85  95  67
  60  60  60  60  60  60  76  75  74  67  60  68  60  60  60  60
  63  62  64  60  60  60  60  60  60  60  60  67  85  90  77  60
  60  60  81  83  60  60  60  60  61  60  60  60  60  60  81  87
  60  60  60  60  60  60  60  60  66  66  72  66  76  70  60  62
  60  64  62  62  60  73  74  67  68  74  61  60  60  60  64  78
  77  74  71  60  79  89  88  86  80  70  60  60  60  60  79  87
  70  63  70  68  76  62  68  78  79  60  60  77  72  71  76  78
  60  60  64  66  60  79  77  78  82  62  60  81  79  78  80  88
  93  83  80  63  75  74  81  70  60  63  65  69  75  60  83  83
  60  60  67  65  69  64  69  64  60  60  60  60  61  60  60  60
  60  60  60  60  60  60  60  74  81  72  64  63  61  61  76  75
  61  60  63  60  61  60  60  60  60  60  60  63  69  69  70  68
$EOF
```

```
ENTER LOG DATE (DD/MM/YR) : 13/09/79
ENTER SITE CODE (5 CHARS) : 26969
ENTER USER CODE (4 CHARS) : 4873

 ENTER JOB CODE (3 CHARS) : 240
```

```
   DATA LOGGED :13 SEPT 1979          DATA ANALYZED : 27 SEPT 1979
        LOGGER : DB-301/26                 SITE CODE : 26969
SERIAL NUMBER : 1224                        JOB CODE : 240
      BASELINE : 60 DB                      USER CODE : 4873
DYNAMIC RANGE : 64 DB                      THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC                  TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0                STANDBY TIME =   0: 0:21
```

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

TIME	LOSHA		NDOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	67.2	67.2	.531	.53
2	62.2	65.1	.264	.79
3	85.0	78.0	6.291	7.09
4	89.4	82.9	11.504	18.59
5	83.3	83.0	4.944	23.53
6	71.6	81.9	.976	24.51
7	77.7	81.5	2.268	26.78
8	69.2	80.7	.702	27.48

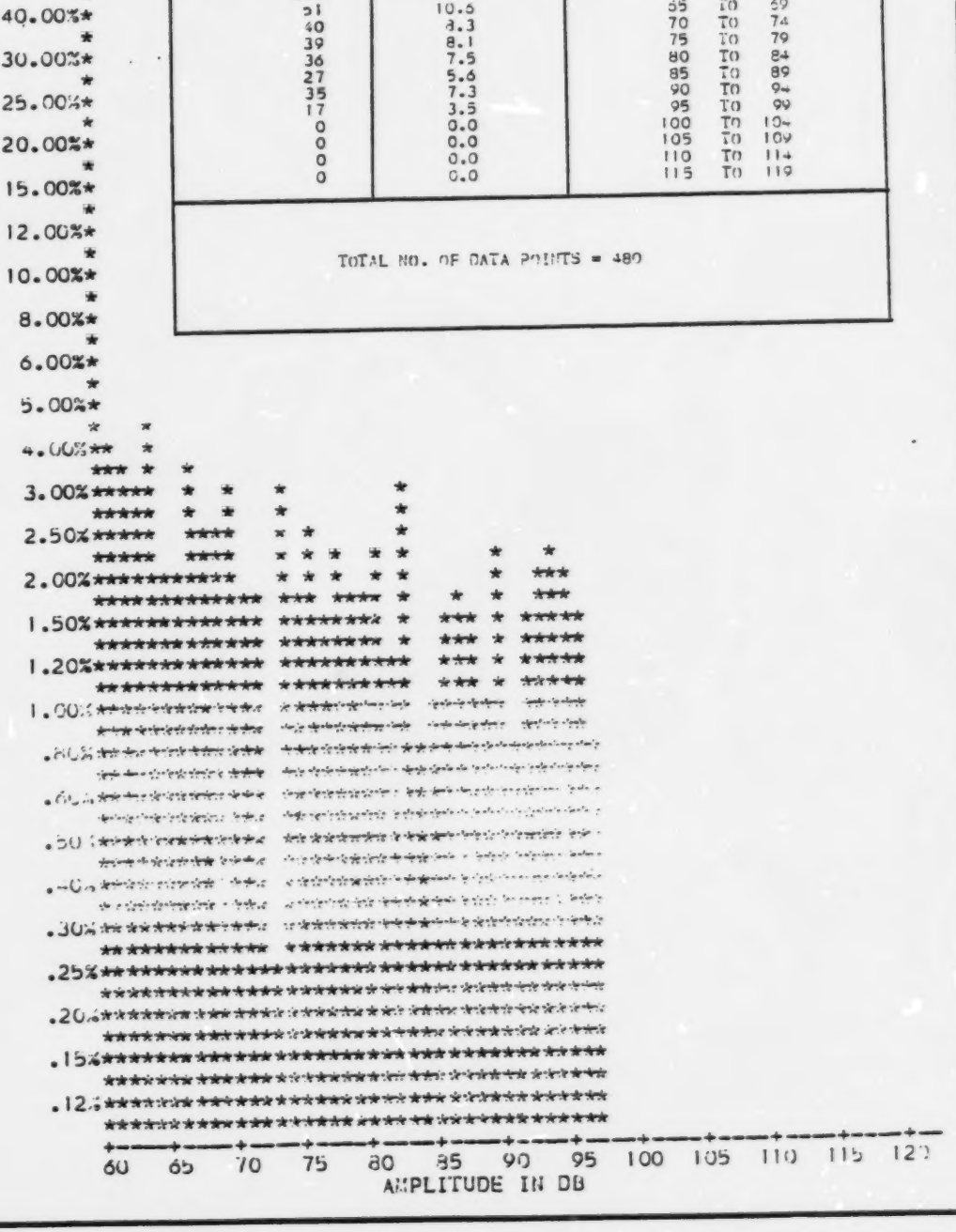
MIN. COMP. = 60 DB MAX. COMP. = 97 DB
ARITHMETIC MEAN = 70 DB
STD. DEVIATION = 12 DB
VARIANCE =144 DB

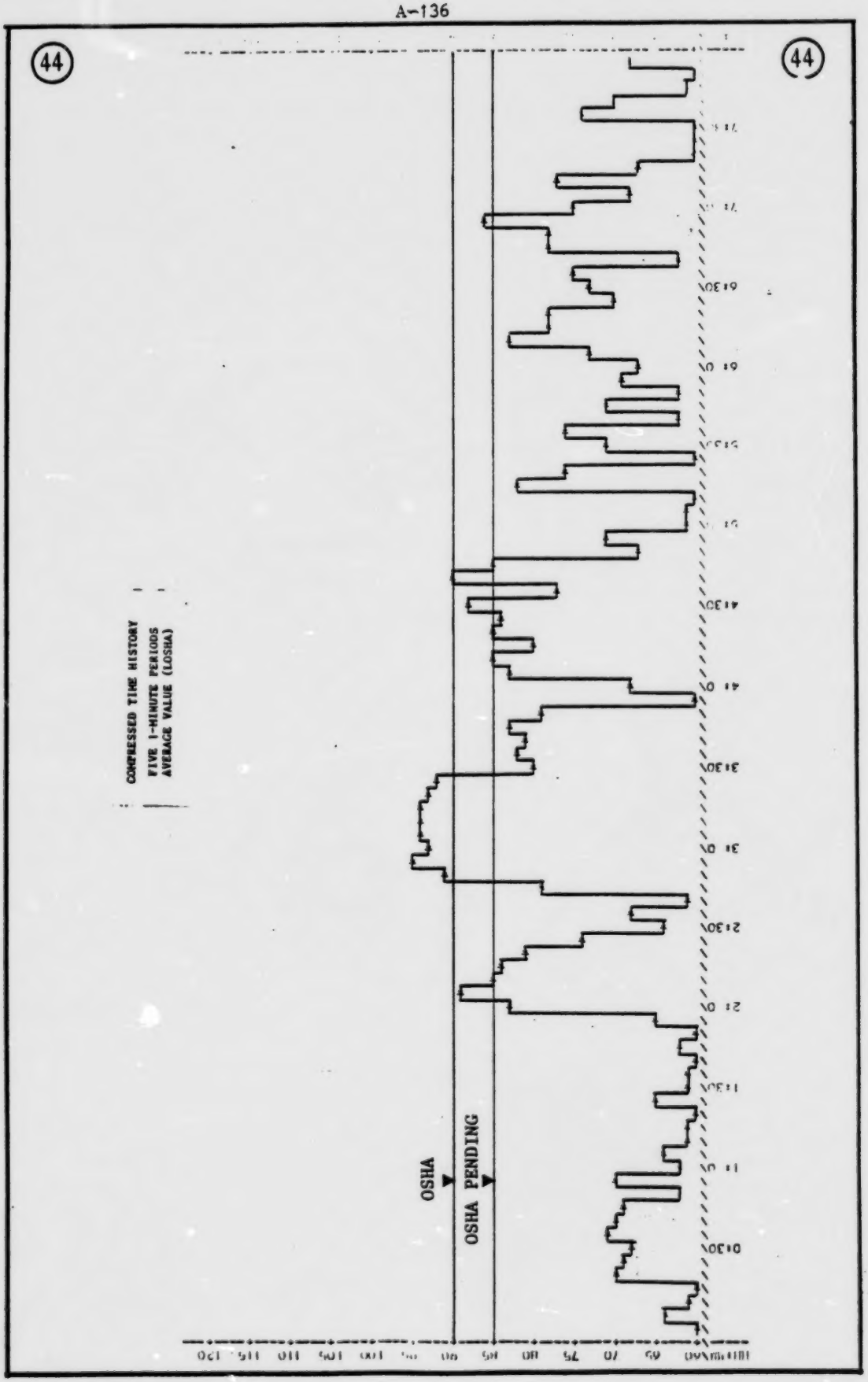
AMPLITUDE DISTRIBUTION

(44) (44)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
235	49.0	60 TO 64
51	10.6	65 TO 69
40	8.3	70 TO 74
39	8.1	75 TO 79
36	7.5	80 TO 84
27	5.6	85 TO 89
35	7.3	90 TO 94
17	3.5	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




44
44
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0:30
1:0
1:30
2:0
2:30
3:0
3:30
4:0
4:30
6:0
6:30

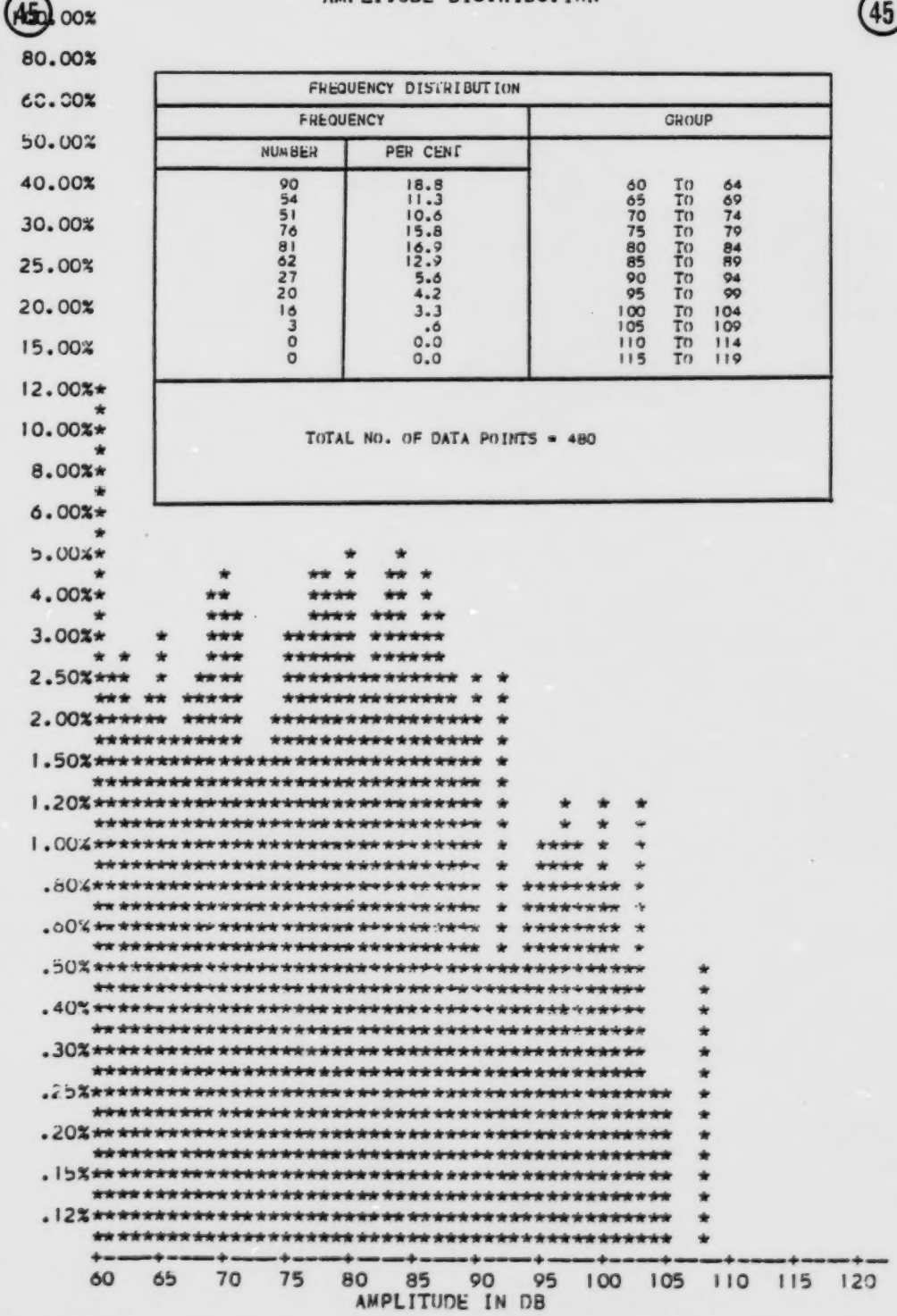
45

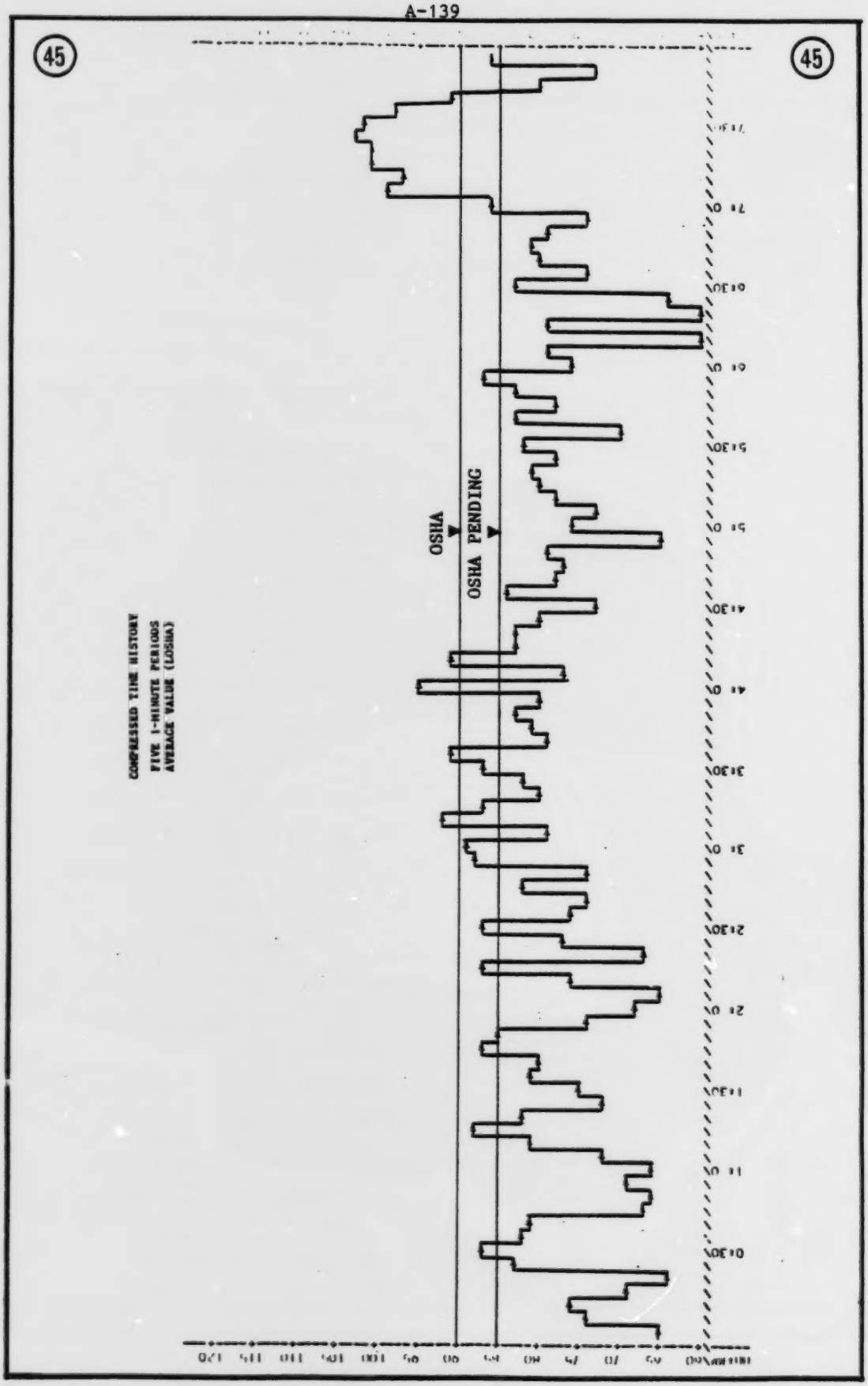
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1214   60   64    4    1
     79     115200  480
  60  64  62  67  69  80  66  77  68  71  69  70  77  80  77  77
  60  65  65  60  63  61  60  70  62  61  79  90  83  79  80  86
  92  87  84  77  78  84  78  87  83  87  84  60  65  70  63  67
  64  67  70  60  60  64  69  73  66  70  64  66  73  60  67  60
  60  65  64  75  62  79  80  85  84  77  73  92  90  81  89  84
  71  70  60  88  87  68  71  75  77  61  85  71  60  60  61  62
  83  86  72  84  85  79  65  76  83  90  92  83  86  74  85  85
  89  86  78  70  68  83  60  62  68  64  64  71  71  67  71  61
  60  60  60  60  60  80  84  69  90  92  80  89  68  66  60  70
  69  69  73  74  78  83  82  79  90  89  88  86  69  60  63  70
  61  82  65  61  76  88  72  69  83  82  79  76  63  60  77  87
  60  63  68  98  96  86  82  86  82  80  77  75  78  82  90  90
  92  97  86  86  87  92  81  83  84  79  86  69  60  80  84  77
  85  79  84  82  94  86  68  78 100  91  85  65  87  73  60  64
  81  70  76  81  83  87  87  80  79  80  86  71  82  83  78  81
  87  90  93 103  87  60  67  60  62  88  98  92  84  85  78  66
  74  89  88  75  62  77  83  84  89  82  85  78  65  78  74  75
  69  71  76  76  79  88  82  88  72  69  71  87  61  62  60  62
  83  84  81  80  71  77  83  65  60  60  60  71  80  71  80  75
  63  69  81  68  60  69  78  68  80  83  75  80  82  70  86  65
  78  84  86  78  70  63  72  80  84  74  60  90  80  78  76  61
  74  75  63  64  60  76  86  82  88  85  66  70  74  81  85  86
  80  82  75  65  79  92  94  67  65  60  60  60  87  89  73  70
  60  60  60  62  60  60  60  84  82  78  76  60  60  60  60  60
  60  60  60  61  66  69  83  77  83  78  88  74  69  76  72  77
  75  76  80  87  70  76  85  79  84  76  88  75  60  68  75  72
  77  67  69  77  81  78  84  93  86  86  99 104  99  95  98 100
  90  96  97  96 102 103 101 100  95 108  92 103  97 101 102 105
 103 103 100 108  97 101  94  96  98  97 100  99  95  95  91  80
  78  84  79  79  71  80  62  70  77  79  67  89  92  70  81  79
%EOF


ENTER LOG DATE (DD/MM/YR) : 14/08/79
ENTER SITE CODE (5 CHARS) : 00312

ENTER USER CODE (4 CHARS) : 4659
 ENTER JOB CODE (3 CHARS) : TCA


   DATA LOGGED :14  AUG 1979                DATA ANALYZED : 21 SEPT 1979
        LOGGER : DB-301/26                      SITE CODE : 00312
SERIAL NUMBER : 1214                             JOB CODE : TCA
      BASELINE : 60 DB                          USER CODE : 4659
DYNAMIC RANGE : 54 DB                          THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC                      TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0                    STANDBY TIME =   0: 0:19

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                          DOSE
HOUR     CURRENT  CUMULATIVE        CURRENT  CUMULATIVE
   1       77.6      77.6            2.226      2.23
   2       81.3      79.6            3.725      5.95
   3       80.5      79.9            3.344      9.30
   4       85.6      81.8            6.793     16.09
   5       84.2      82.4            5.626     21.72
   6       80.3      82.1            3.253     24.97
   7       77.0      81.5            2.062     27.03
   8       97.1      85.3           33.218     60.25
MIN. COMP. =  60 DB                MAX. COMP. = 108 DB
ARITHMETIC MEAN =  77 DB
STD. DEVIATION =  12 DB
VARIANCE =144 DB
```

AMPLITUDE DISTRIBUTION

(45) (45)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
90	18.8	60 TO 64
54	11.3	65 TO 69
51	10.6	70 TO 74
76	15.8	75 TO 79
81	16.9	80 TO 84
62	12.9	85 TO 89
27	5.6	90 TO 94
20	4.2	95 TO 99
16	3.3	100 TO 104
3	.6	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119
TOTAL NO. OF DATA POINTS = 480		




45
45
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0130
1
1130
2
2130
3
3130
4
4130
5
5130
6
6130
7
7130

(46)

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

(46)

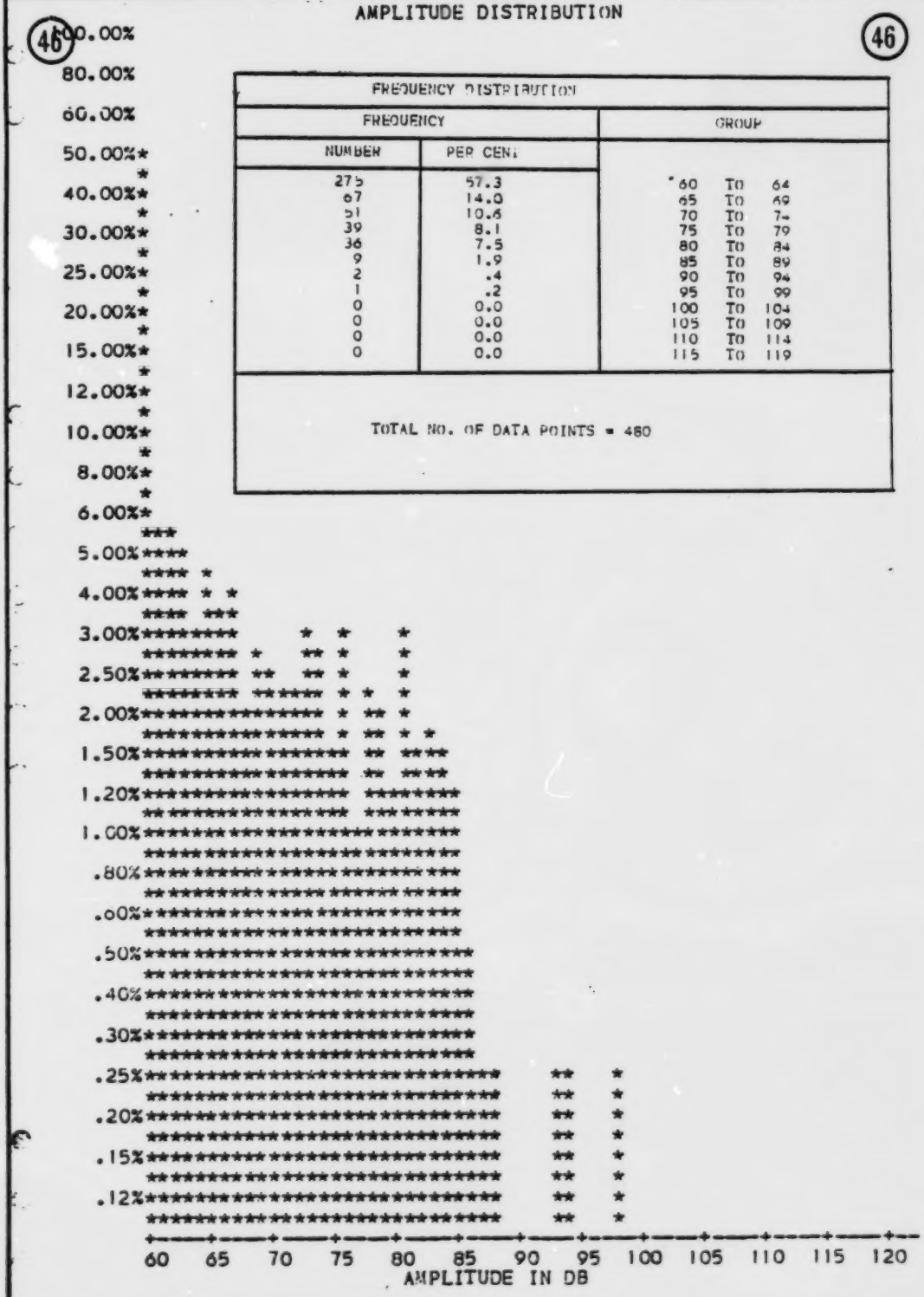
```
  1  26  80  1214    60    64     4     1
    9255     115200   480
  60  63  62  73  74  83  69  62  76  67  67  61  66  79  74  68
  83  66  74  81  84  83  78  75  82  83  66  76  75  82  79  84
  85  76  72  72  79  81  81  69  82  84  78  77  76  81  98  80
  93  79  85  88  81  70  79  78  75  81  74  87  69  69  68  63
  62  73  60  60  73  79  73  66  73  73  64  63  76  78  77  66
  65  73  62  74  64  60  74  81  65  60  62  60  70  67  60  63
  61  60  60  60  61  60  60  60  60  67  66  60  72  60  60  68
  60  60  71  61  62  60  60  60  60  60  64  60  60  60  60  76
  60  60  60  60  60  60  65  67  63  63  60  60  60  60  60  63
  60  60  60  60  66  65  67  65  64  64  71  65  60  60  60  60
  60  60  62  60  60  62  67  60  62  67  63  70  60  76  65  60
  62  62  65  64  60  63  62  62  60  63  60  60  63  60  62  76
  64  63  66  60  61  60  60  69  60  60  72  62  60  61  60  60
  67  60  60  60  60  60  61  60  66  65  65  73  61  60  75  60
  60  60  60  60  63  76  71  64  70  65  75  71  79  71  68  74
  82  63  66  68  63  60  61  60  60  60  67  64  60  61  68  83
  74  60  60  61  64  69  69  62  82  60  60  60  73  60  61  60
  81  78  73  63  60  60  60  60  69  60  71  60  68  67  60  60
  60  60  60  60  60  60  61  60  60  60  60  62  60  73  60  63
  64  60  65  60  67  76  60  60  60  72  60  60  61  60  60  63
  66  65  65  71  84  70  60  69  69  60  60  60  60  60  70  60
  60  60  61  61  61  60  62  65  60  60  60  66  60  60  60  68
  70  70  60  60  60  61  60  69  70  70  62  64  60  60  60  60
  61  60  60  60  66  60  60  60  60  60  60  72  74  70  60  60
  60  60  65  60  60  60  84  75  72  60  60  69  80  66  60  65
  76  86  78  71  62  78  74  60  60  60  60  83  85  71  60  65
  81  67  60  60  60  60  68  86  80  76  63  60  60  67  60  60
  72  81  81  81  73  60  60  60  60  60  60  62  80  78  63  85
  82  63  60  60  63  62  63  60  73  60  60  60  84  78  77
  74  62  61  60  60  60  67  67  94  77  83  61  66  61  60  79
$EOF


ENTER LOG DATE (DD/MM/YR) : 23/08/79
ENTER SITE CODE (5 CHARS) : 00312
ENTER USER CODE (4 CHARS) : 4547
 ENTER JOB CODE (3 CHARS) : 296


   DATA LOGGED :23  AUG 1979          DATA ANALYZED : 25 SEPT 1979
       LOGGER : DB-301/26                 SITE CODE : 00312
SERIAL NUMBER : 1214                       JOB CODE : 296
      BASELINE : 60 DB                    USER CODE : 4547
 DYNAMIC RANGE : 64 DB                     THRESHOLD : 80 DB
 SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  115200
 TEST DURATION =   8: 0: 0              STANDBY TIME =   0:34:33

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          OSHA                    NIOSH
HOUR     CURRENT  CUMULATIVE     CURRENT  CUMULATIVE
   1        81.0       81.0       3.577        3.58
   2        68.2       77.1        .611        4.19
   3        61.9       74.7        .335        4.52
   4        66.6       73.4        .489        5.01
   5        68.5       72.7        .632        5.64
   6        66.9       72.0        .506        6.15
   7        71.5       71.9        .959        7.11
   8        75.1       72.4       1.578        8.69
MIN. COMP. =  60 DB              MAX. COMP. =  98 DB
ARITHMETIC MEAN =  66 DB
STD. DEVIATION =  8 DB
VARIANCE = 64 DB
```

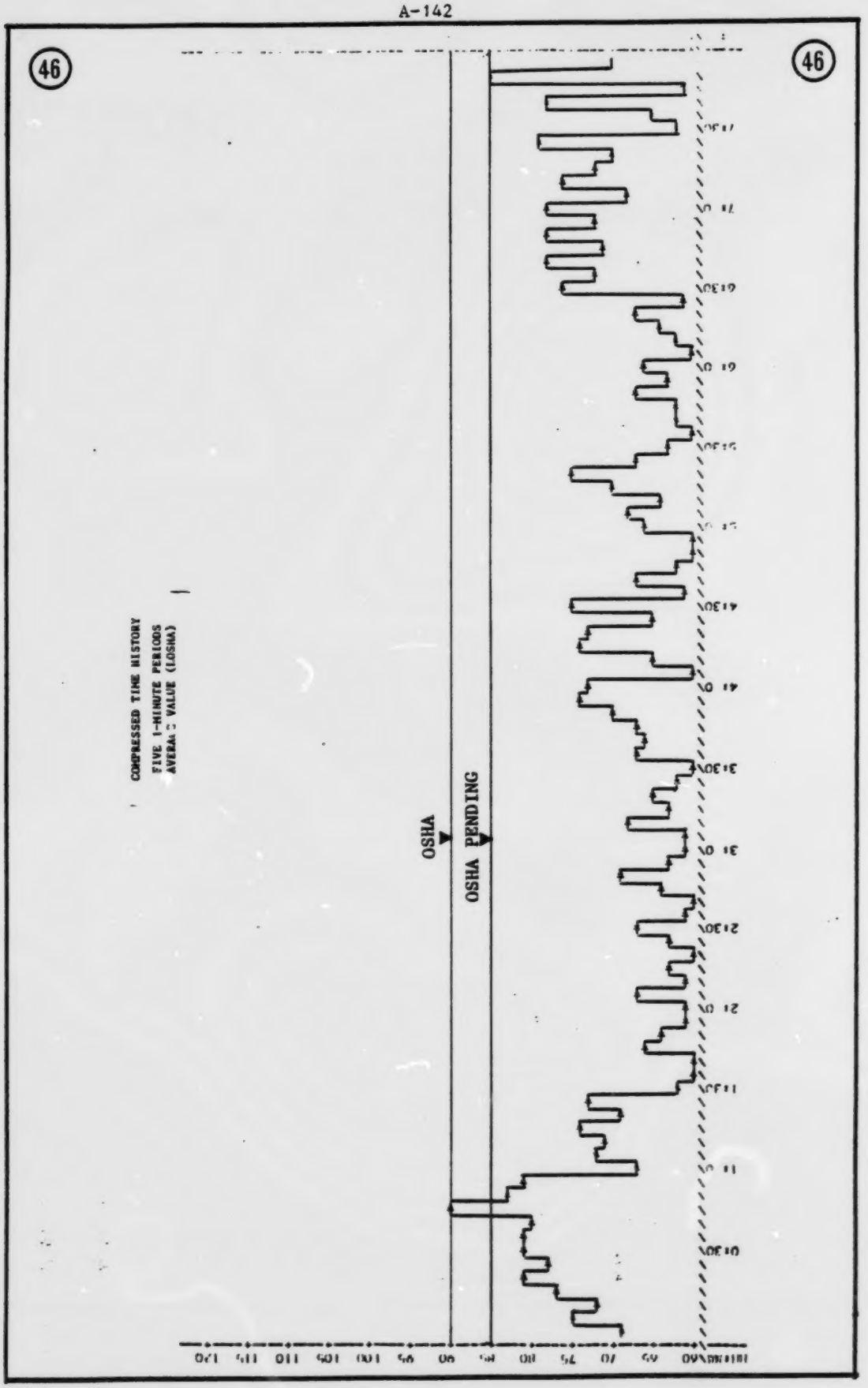
AMPLITUDE DISTRIBUTION

(46) (46)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
275	57.3	60 TO 64
67	14.0	65 TO 69
51	10.6	70 TO 74
39	8.1	75 TO 79
36	7.5	80 TO 84
9	1.9	85 TO 89
2	.4	90 TO 94
1	.2	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




46
46
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0:30
1:00
1:30
2:00
2:30
3:00
3:30
4:00
4:30
5:00
5:30
6:00
6:30
7:00
7:30
60
65
70
75
80
85
90
95
100
105
110
115
120

(47)

```
PLACE TAPE IN READER THEN TYPE A "SPACE" AND A "RETURN"
  1  26  80  1220    60    64     4     1
     102     115200  480
 61  63  63  66  63  60  62  66  68  69  67  62  67  60  60  64
 61  60  71  70  75  80  68  76  64  77  74  65  62  65  76  70
 70  67  72  61  60  60  65  60  68  73  76  80  80  71  79  86
 79  84  85  83  83  82  83  67  63  65  79  72  60  60  60  60
 71  62  60  60  62  60  66  73  75  61  67  62  63  79  64  74
 81  79  76  61  77  75  72  79  71  67  60  73  60  65  84  65
 60  60  60  60  60  65  64  74  60  66  67  77  63  60  60  65
 66  60  60  67  60  62  71  74  60  60  63  82  81  81  82  80
 63  80  73  60  60  60  61  72  60  60  60  67  73  73  72  69
 74  73  81  79  77  75  75  80  80  79  82  82  75  74  79  72
 75  76  79  62  60  75  80  70  68  73  72  75  67  70  77  81
 75  78  72  75  73  60  75  74  79  62  60  67  79  77  65  67
 70  72  61  71  64  60  76  65  66  78  69  83  87  74  72  60
 60  66  60  60  62  60  60  76  73  60  60  62  63  75  86  78
 72  74  69  82  77  71  82  72  79  72  81  78  68  67  70  81
 80  71  84  69  78  82  78  79  81  78  60  63  72  65  77  71
 63  73  81  72  60  60  61  60  70  70  64  60  82  71  75  69
 74  71  82  60  74  80  84  81  73  81  85  83  78  81  82  81
 81  79  84  66  73  70  65  73  68  73  63  78  68  67  68  80
 73  72  80  60  67  63  68  69  67  72  71  77  74  76  70  60
 60  60  60  60  60  74  63  66  77  62  65  82  81  89  87  86
 89  85  86  80  67  67  74  63  68  72  60  60  60  61  62  60
 60  60  69  75  60  61  67  72  77  76  83  63  60  61  81  88
 87  88  89  89  88  91  93  87  85  85  84  80  78  81  81  87
 91  95  93  94  85  83  87  78  78  78  72  77  79  63  77  79
 70  67  75  80  71  81  83  85  83  85  85  80  79  76  73  74
 75  85  79  74  71  79  82  81  70  75  72  72  75  68  76  77
 72  73  67  65  63  78  70  69  70  73  72  60  63  73  69  73
 75  74  77  68  70  79  80  79  80  79  78  75  74  72  80  79
 77  72  66  70  70  69  71  62  62  62  85  87  80  80  80  78
%EOF


ENTER LOG DATE (DD/MM/YR) : 12/09/79
ENTER SITE CODE (5 CHARS) : 00323

ENTER USER CODE (4 CHARS) : 4524
 ENTER JOB CODE (3 CHARS) : 140


   DATA LOGGED :12 SEPT 1979          DATA ANALYZED : 27 SEPT 1979
      LOGGER : DB-301/26                 SITE CODE : 00323
SERIAL NUMBER : 1220                      JOB CODE : 140
      BASELINE : 60 DB                   USER CODE : 4524
DYNAMIC RANGE : 94 DB                    THRESHOLD : 60 DB
SAMPLING RATE : 4/SEC                 TOTAL SAMPLES = 115200
TEST DURATION =  8 HR 0 M             STANDBY TIME =  0H 0M2S

              TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
TOTAL TIME = 8 HR 0 M 0 SECS
EXCHANGE (DOSE) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 60 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOGA                        LINEAR
HOUR     CURRENT   CUMULATIVE      CURRENT   CUMULATIVE
   1       74.2        74.2        1.402        1.40
   2       70.2        72.5         .801        2.20
   3       75.6        73.7        1.699        3.90
   4       74.3        73.8        1.427        5.33
   5       76.7        74.5        1.976        7.30
   6       75.4        74.7        1.642        8.95
   7       84.1        77.0        5.497       14.44
   8       75.6        76.8        1.703       16.15
MIN. COMP. =  60 DB                MAX. COMP. =  95 DB
ARITHMETIC MEAN =  72 DB
STD. DEVIATION =  8 DB
VARIANCE = 64 DB
```

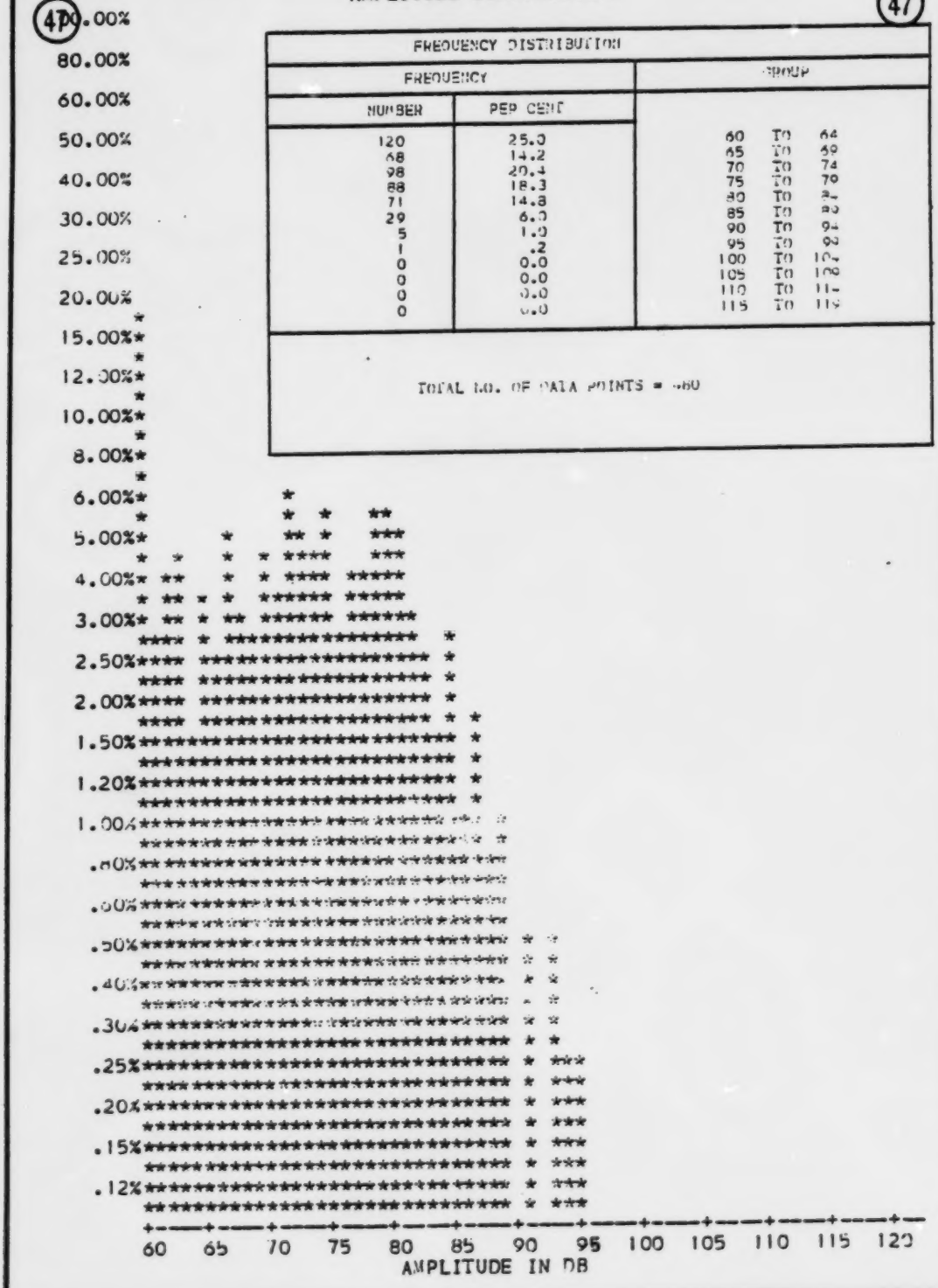
(47)

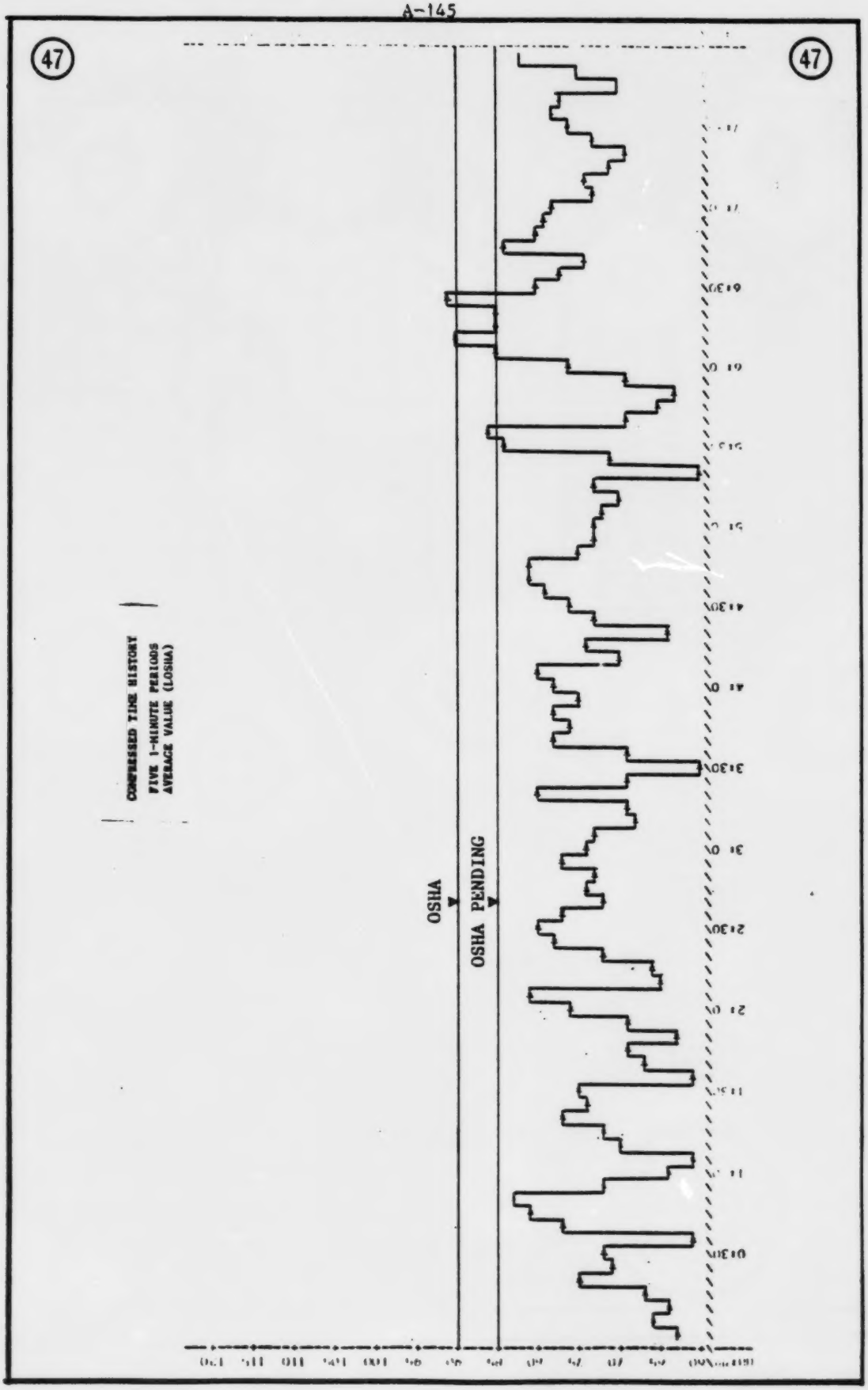
AMPLITUDE DISTRIBUTION

(47)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
120	25.0	60 TO 64
68	14.2	65 TO 69
98	20.4	70 TO 74
88	18.3	75 TO 79
71	14.8	80 TO 84
29	6.0	85 TO 89
5	1.0	90 TO 94
1	.2	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




47
47
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0:30
1:30
2:30
3:30
4:30
5:30
6:30

(48)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1226   60   64    4    1
      67      115200  480
 63  63  61  68  66  67  74  70  62  69  69  66  76  69  65  66
 69  69  66  61  67  72  80  83  75  80  82  69  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  84  61  60  69  61  61
 60  60  66  60  60  62  60  77  84  77  79  89  74  60  78  76
 80  79  65  66  75  84  81  78  62  60  64  68  67  76  63  72
 72  67  64  60  62  65  61  60  60  68  70  86  76  60  72  69
 78  60  63  60  62  73  80  76  78  78  71  61  72  66  67  61
 82  86  78  76  82  80  60  60  60  60  60  87  85  60  60  60
 60  60  63  60  60  61  60  68  84  85  71  60  60  60  79  60
 60  60  66  77  74  78  60  60  60  60  60  60  60  60  60  60
 73  68  60  85  82  85  67  77  63  60  60  60  60  60  60  60
 60  60  61  68  72  67  60  60  60  61  66  60  60  69  60  60
 60  60  60  60  60  60  60  76  66  78  69  64  60  60  60  61
 60  60  61  60  62  60  60  60  60  60  61  60  69  60  60  60
 60  60  60  60  67  61  60  72  69  77  60  60  60  67  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  62  60  60  60
 73  60  60  85  76  79  85  78  60  60  63  60  60  60  60  60
 61  71  63  69  62  60  60  60  61  61  60  60  61  60  60  60
 61  60  60  60  60  60  60  72  66  85  78  75  80  86  67  60
 60  81  88  60  83  82  84  75  62  67  91  78  60  60  60  60
 60  61  60  68  69  81  60  60  60  62  60  84  60  60  67  76
 78  60  69  60  62  69  60  60  60  60  63  60  60  66  67  76
 70  70  75  60  60  60  60  60  64  60  60  60  60  60  70  60
 62  60  60  60  60  60  60  60  60  61  60  68  67  60  60  60
 60  60  62  60  60  73  60  60  60  60  83  72  60  60  60  60
 60  60  60  60  62  60  60  60  60  60  60  60  61  62  60  60
 60  60  60  60  60  67  65  60  60  60  65  66  74  60  60  60
 67  63  64  62  61  60  60  60  61  60  60  63  61  63  62  64
 60  60  60  60  64  60  60  61  60  60  60  64  60  60  60  60
 62  60  60  60  60  60  60  60  60  60  69  76  79  75  77  74
%EOF
```

(48)

```
ENTER LOG DATE (DD/MM/YR) : 26/07/79
ENTER SITE CODE (5 CHARS) : 2SHAF

ENTER USER CODE (4 CHARS) : 7006
 ENTER JOB CODE (3 CHARS) : 291
```

```
   DATA LOGGED :26 JULY 1979          DATA ANALYZED : 19 SEPT 1979
       LOGGER : DB-301/26                  SITE CODE : 2SHAF
SERIAL NUMBER : 1226                       JOB CODE : 291
      BASELINE : 60 DB                     USER CODE : 7006
DYNAMIC RANGE : 64 DB                     THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0              STANDBY TIME =   0: 0:16
```

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

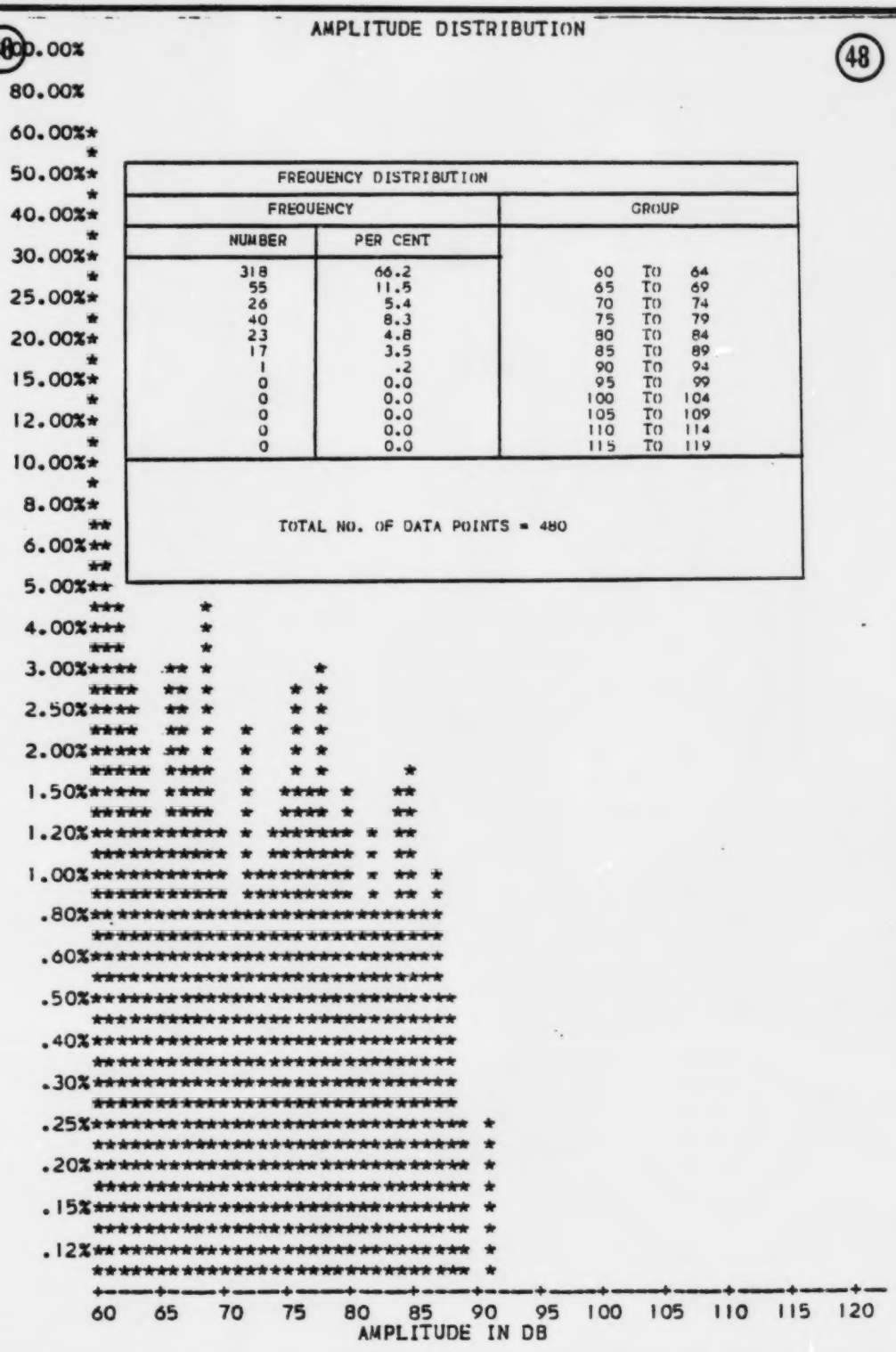
TIME	LOSEA		%DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	72.4	72.4	1.090	1.09
2	75.6	74.2	1.701	2.79
3	74.1	74.2	1.385	4.18
4	64.8	72.7	.380	4.56
5	69.5	72.2	.724	5.28
6	74.4	72.6	1.433	6.71
7	63.8	71.8	.331	7.04
8	65.3	71.3	.406	7.45

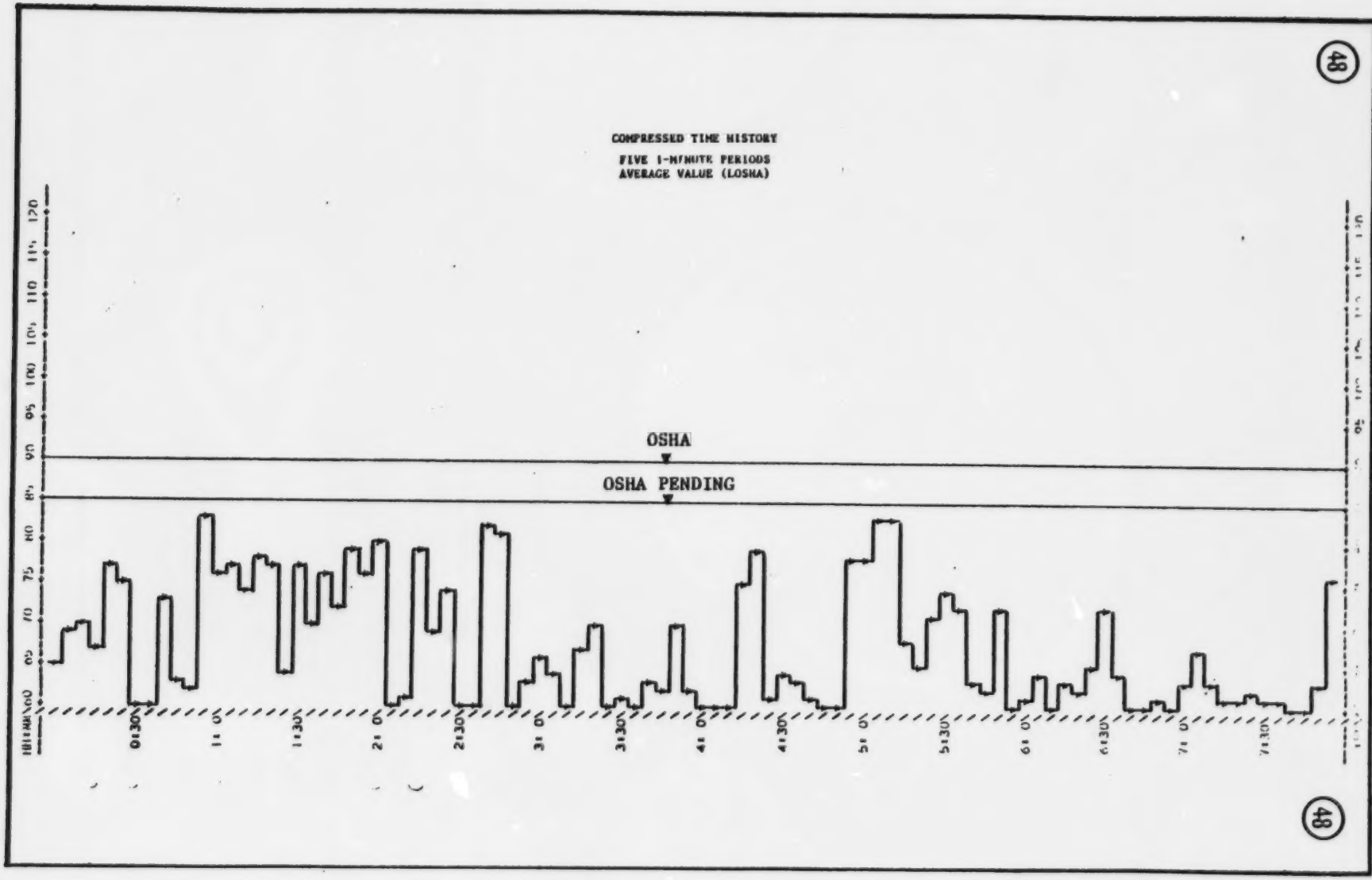
MIN. COMP. = 60 DB MAX. COMP. = 91 DB
ARITHMETIC MEAN = 65 DB
STD. DEVIATION = 9 DB
VARIANCE = 64 DB

AMPLITUDE DISTRIBUTION

(48) (48)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
318	66.2	60 TO 64
55	11.5	65 TO 69
26	5.4	70 TO 74
40	8.3	75 TO 79
23	4.8	80 TO 84
17	3.5	85 TO 89
1	.2	90 TO 94
0	0.0	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119
TOTAL NO. OF DATA POINTS = 480		




48
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
48

49

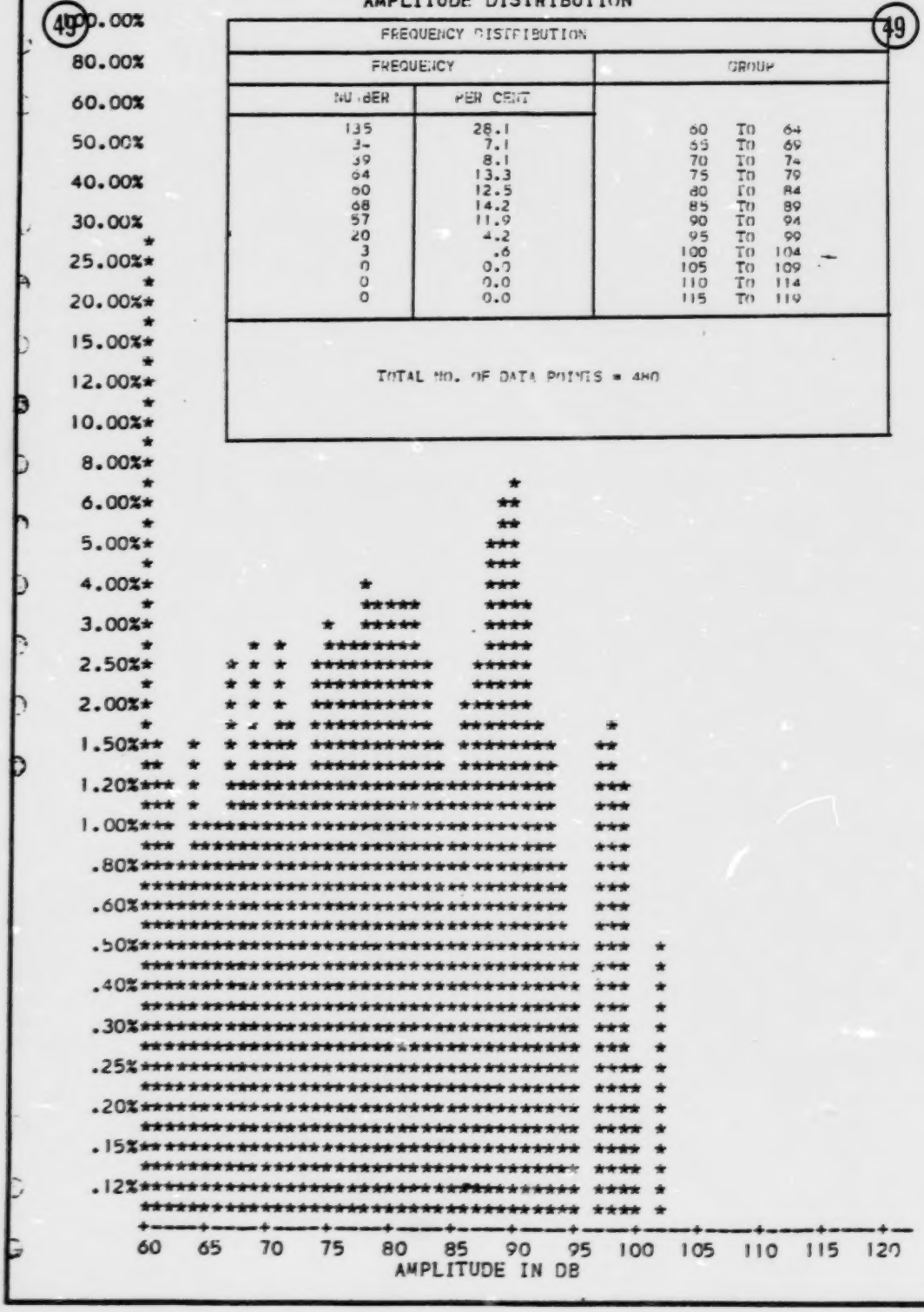
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1214   60   64    4    1
    323    115200  480
 102  97  60  75  60  60  60  60  60  66  60  60  60  60  60  60
  60  60  60  60  60  60  61  67  60  61  67  60  65  70  72  60
  62  64  60  69  60  61  60  60  66  76  60  63  66  60  68  60
  64  67  60  60  60  69  71  60  72  64  64  71  71  73  73  61
  60  60  60  60  60  60  60  60  93  91  83  90  90  98  92  65
  74  82  86  95  77  70  75  79  98  98  73  60  67  91 102  93
  80  88  83  69  81  69  86  87  88  89  89  92  91  89  81  89
  91  91  90  89  91  91  90  90  95  98  90  90  85  88  90  92
  90  99  99  99  98 100  98  97  89  90  89  87  89  89  88  88
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  75  88
  89  84  81  79  85  86  83  84  87  78  81  79  77  80  83  82
  82  82  77  69  74  78  74  68  79  84  89  89  88  78  67  75
  80  80  81  74  76  77  75  80  83  83  88  88  92  76  78  73
  75  74  77  71  80  77  75  79  78  82  81  79  76  76  62  64
  70  62  72  75  67  80  78  71  70  78  74  69  79  80  85  79
  80  84  81  82  80  79  81  78  77  82  74  78  83  76  74  88
  90  91  89  90  87  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  72  87  90  88  88  87  92  88  89
  79  77  80  89  78  71  71  76  81  80  82  75  72  76  65  80
  69  65  75  76  77  68  67  62  83  87  83  82  83  82  93  97
  97  97  98  97  89  91  91  91  90  90  90  90  90  90  90  89
  89  72  81  67  71  81  76  86  90  90  88  89  90  90  91  90
  91  92  89  88  81  68  61  60  66  60  73  78  84  89  90  88
  87  92  89  72  74  78  81  86  86  85  82  80  71  84  76  75
  79  81  81  79  82  82  79  94  93  94  94  93  93  89  89  90
  90  90  91  89  88  87  86  86  85  82  87  88  88  89  70  70
  69  78  80  78  78  79  71  60  69  64  78  81  77  74  62  60
  69  71  67  69  63  63  75  67  61  60  77  60  60  60  60  60
%EOF


ENTER LOG DATE (DD/MM/YR) : 27/08/79
ENTER SITE CODE (5 CHARS) : 1SHOS
ENTER USER CODE (4 CHARS) : 0474
 ENTER JOB CODE (3 CHARS) : 018


   DATA LOGGED :27  AUG 1979          DATA ANALYZED : 26 SEPT 1979
       LOGGER : DB-301/26                  SITE CODE : 1SHOS
SERIAL NUMBER : 1214                        JOB CODE : 018
     BASELINE : 60 DB                       USER CODE : 0474
DYNAMIC RANGE : 64 DB                       THRESHOLD :  80 DB
SAMPLING RATE :  4/SEC                 TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0               STANDBY TIME =   0: 1:20

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                      %DOSE
HOUR    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1      76.8      76.8          2.017      2.02
   2      88.9      85.1         10.726     12.74
   3      88.5      86.4         10.180     22.92
   4      79.8      85.3          3.040     25.96
   5      76.9      84.2          2.024     27.99
   6      85.7      84.5          6.879     34.87
   7      85.8      84.7          6.959     41.83
   8      84.2      84.6          5.570     47.39
MIN. COMP. =  60 DB            MAX. COMP. = 102 DB
ARITHMETIC MEAN =  76 DB
STD. DEVIATION =  12 DB
VARIANCE =144 DB
```

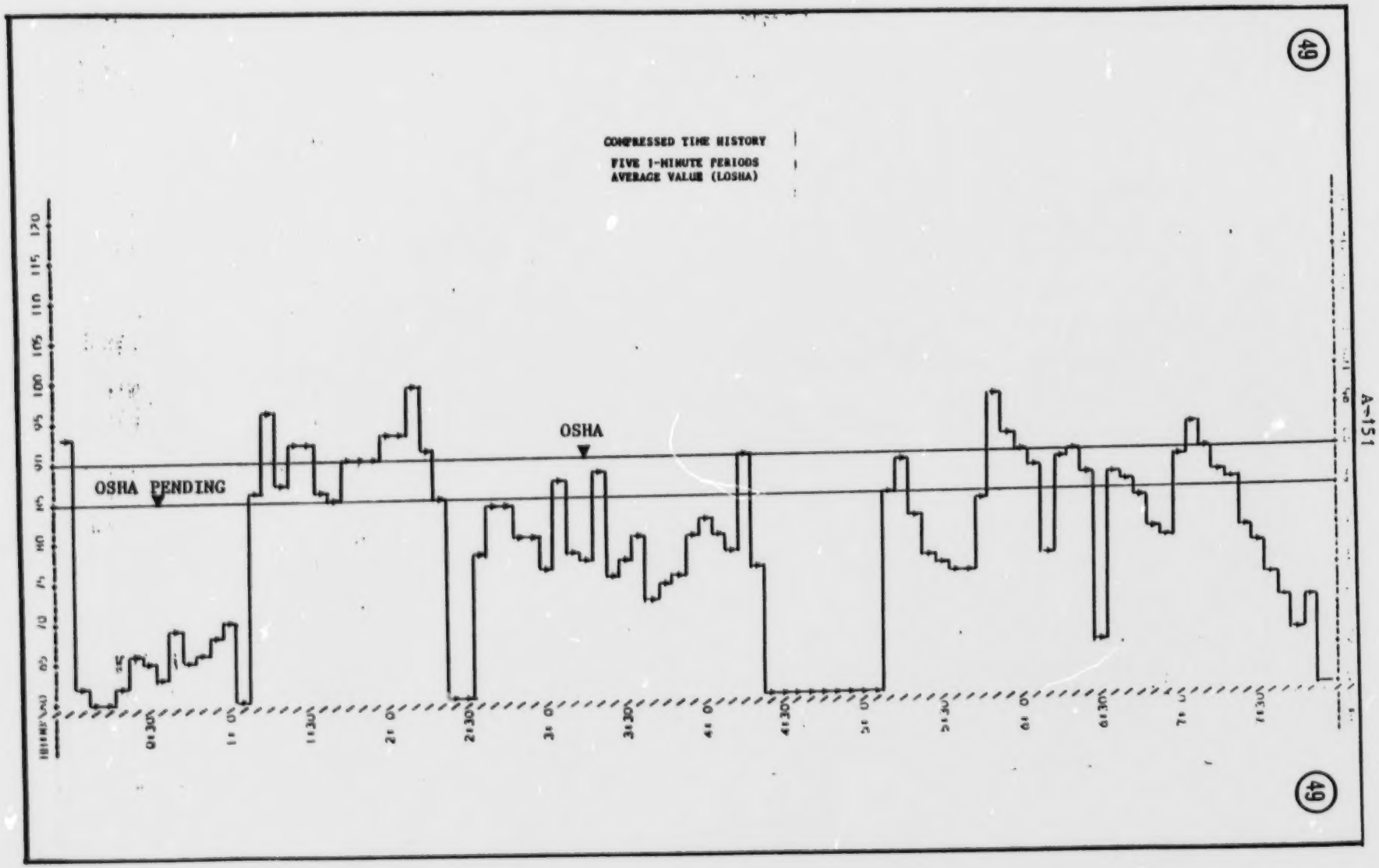
AMPLITUDE DISTRIBUTION

FREQUENCY DISTRIBUTION

FREQUENCY		GROUP
NUMBER	PER CENT	
135	28.1	60 TO 64
34	7.1	65 TO 69
39	8.1	70 TO 74
64	13.3	75 TO 79
60	12.5	80 TO 84
68	14.2	85 TO 89
57	11.9	90 TO 94
20	4.2	95 TO 99
3	.6	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




49
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA PENDING
OSHA
49

(50)

PLACE TAPE IN HEADER THEN TYPE A "SPACE" AND A "RETURN"

(50)

```
  1  26  80  1220    60    64     4     1
     698     115200   480
  66  60  60  60  60  73  68  61  60  60  60  60  60  60  60  60
  90  97  80  62  63  81  97  96  97  96  98  95  98  98  85  97
  99  99  97  97  97  98  97  99  82  71  75  60  65  66  74  89
  89  88  96  94  96  86  89  91  91  90  90  90  93  93  93  90
  69  60  60  60  84  89  64  66  82  68  78  86  90  90  88  89
  86  85  85  72  87  72  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  67  66  89  85  85  84  85  87  84  85  86  82
  60  72  60  60  63  65  60  69  60  66  60  60  65  63  61  73
  60  76  67  84  87  87  90  87  70  81  82  78  68  73  80  81
  89  98  92  80  78  60  81  60  71  65  63  62  64  60  95  97
  97  89  95  96  72  60  60  60  60  60  60  60  62  76  79  85
  72  85  89  88  86  88  88  90  88  88  89  89  90  89  91  88
  89  90  90  87  88  89  88  88  87  89  87  86  76  62  60  60
  60  60  60  60  60  60  62  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  84  60  72  71  79  62  64  87  88  86
  84  85  84  85  85  84  85  85  85  84  85  85  87  89  88  90
  89  89  88  87  87  89  80  75  74  87  75  74  63  78  78  73
  75  71  71  72  66  68  63  60  66  60  61  63  65  63  77  85
  83  81  82  77  85  89  88  86  89  88  89  89  89  89  89  88
  88  88  87  87  86  77  77  80  83  80  66  65  60  60  60  60
  60  60  60  68  79  74  60  60  65  78  62  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  42  60  80  80
  72  82  86  87  66  61  60  66  60  60  64  80  70  64  65  67
  73  79  78  66  62  60  60  63  62  64  67  62  72  63  61  60
  60  77  70  61  64  69  65  68  69  60  60  70  74  75  87  86
  83  66  60  61  60  61  79  94  95  87  78  68  60  71  75  74
  60  72  75  82  78  60  78  82  65  71  82  89  81  72  69  67
  64  67  60  72  60  67  63  71  60  65  68  60  72  46  67  60
%EOF
```

```
ENTER LOG DATE (DD/MM/YR) : 27/08/79
ENTER SITE CODE (5 CHARS) : ISHAO
ENTER USER CODE (4 CHARS) : 4238
 ENTER JOB CODE (3 CHARS) : 018
```

```
   DATA LOGGED :27  AUG 1979          DATA ANALYZED : 26 SEPT 1979
       LOGGER : DB-301/26                 SITE CODE : ISHAO
SERIAL NUMBER : 1220                       JOB CODE : 018
     BASELINE : 60 DB                     USER CODE : 4239
DYNAMIC RANGE : 64 DB                     THRESHOLD :  80 DB
SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0              STANDBY TIME =   0: 2:54
```

TIME HISTORY ANALYSIS

```
NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

TIME	LOSHA		NOISE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	91.0	91.0	14.383	14.38
2	82.6	88.0	4.466	18.85
3	83.7	84.8	5.211	24.06
4	83.1	86.0	4.824	28.88
5	83.4	85.6	5.038	33.92
6	76.9	84.7	2.028	35.95
7	70.8	83.8	.874	36.82
8	77.8	83.2	2.309	39.13

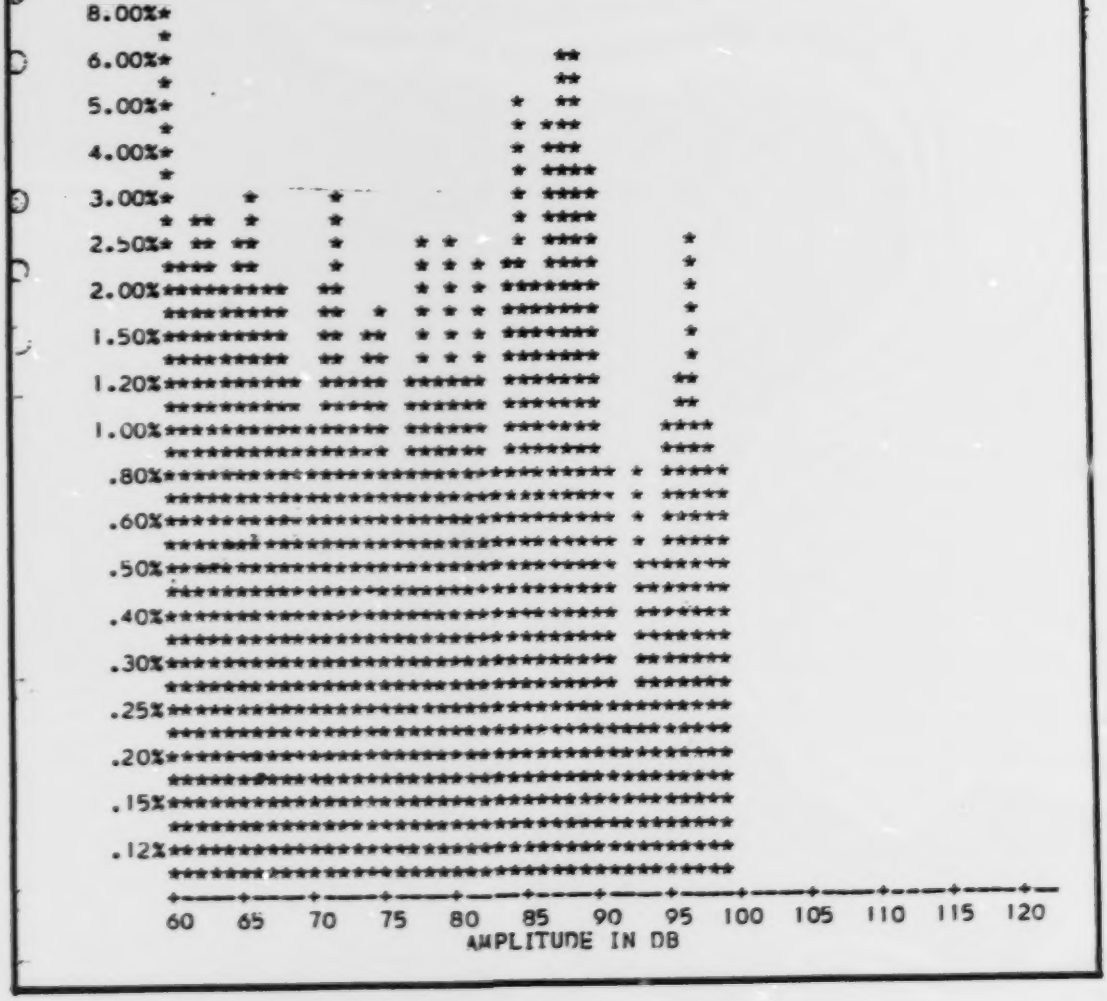
```
MIN. COMP. =  60 DB                MAX. COMP. =  90 DB
ARITHMETIC MEAN =  73 DB
STD. DEVIATION =  13 DB
VARIANCE =169 DB
```

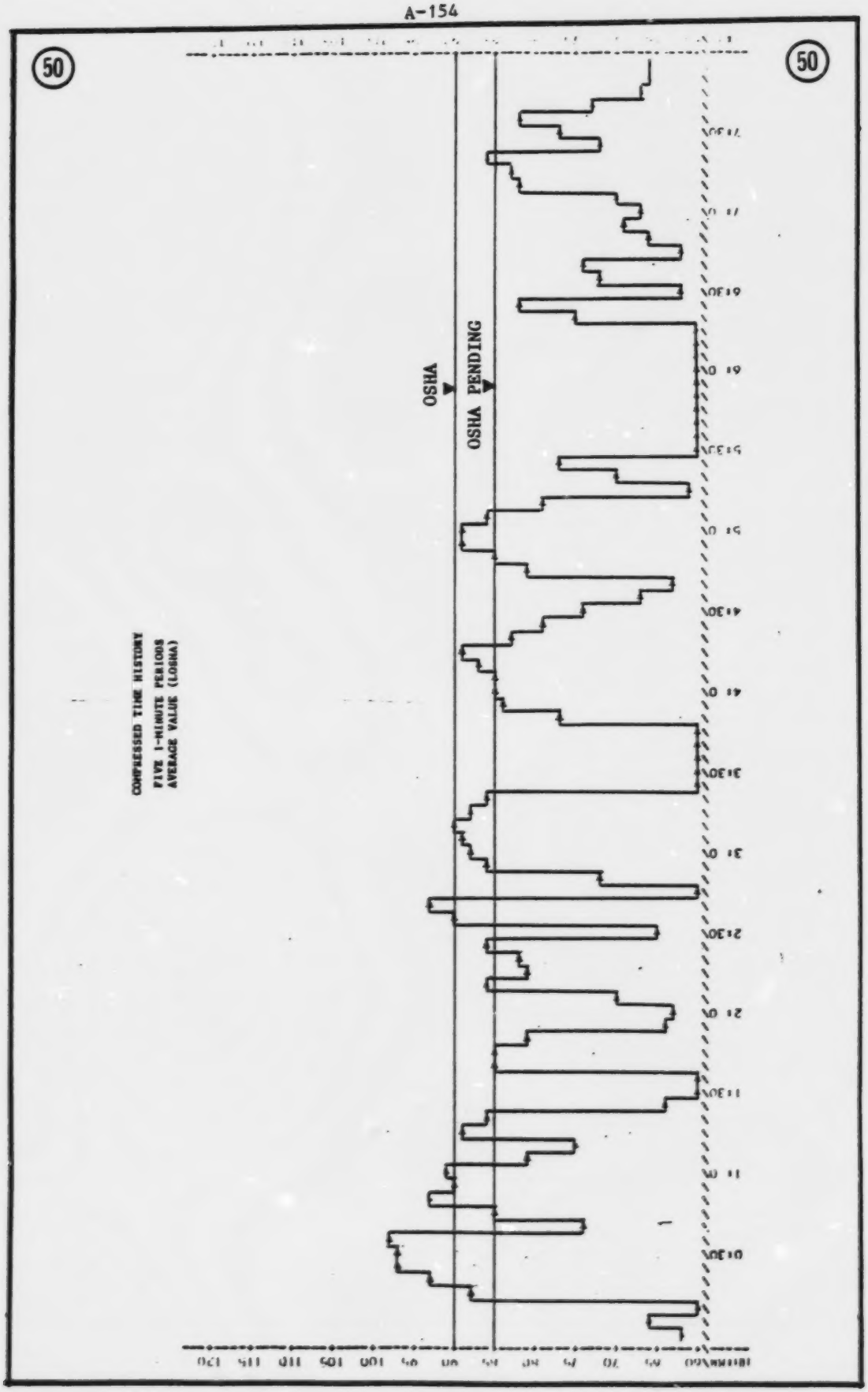
AMPLITUDE DISTRIBUTION

FREQUENCY DISTRIBUTION

FREQUENCY		GROUP
NUMBER	PER CENT	
190	39.6	60 TO 64
43	9.0	65 TO 69
36	7.5	70 TO 74
30	6.3	75 TO 79
36	7.5	80 TO 84
96	20.0	85 TO 89
23	4.8	90 TO 94
26	5.4	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




50
50
OSHA
OSHA PENDING
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)

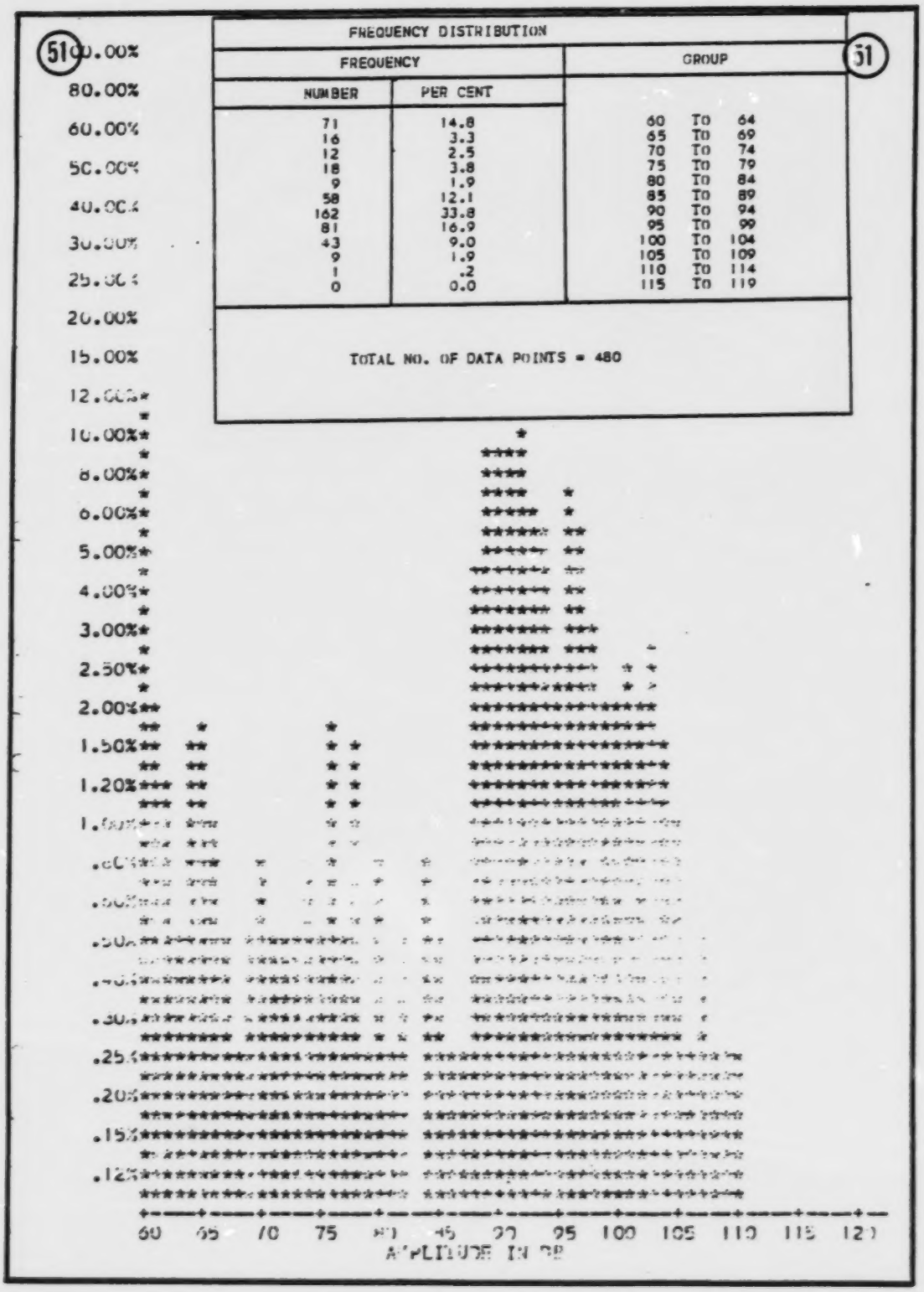
(51)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  20  80  1225   60   64    4    1
      87      115200  480
```

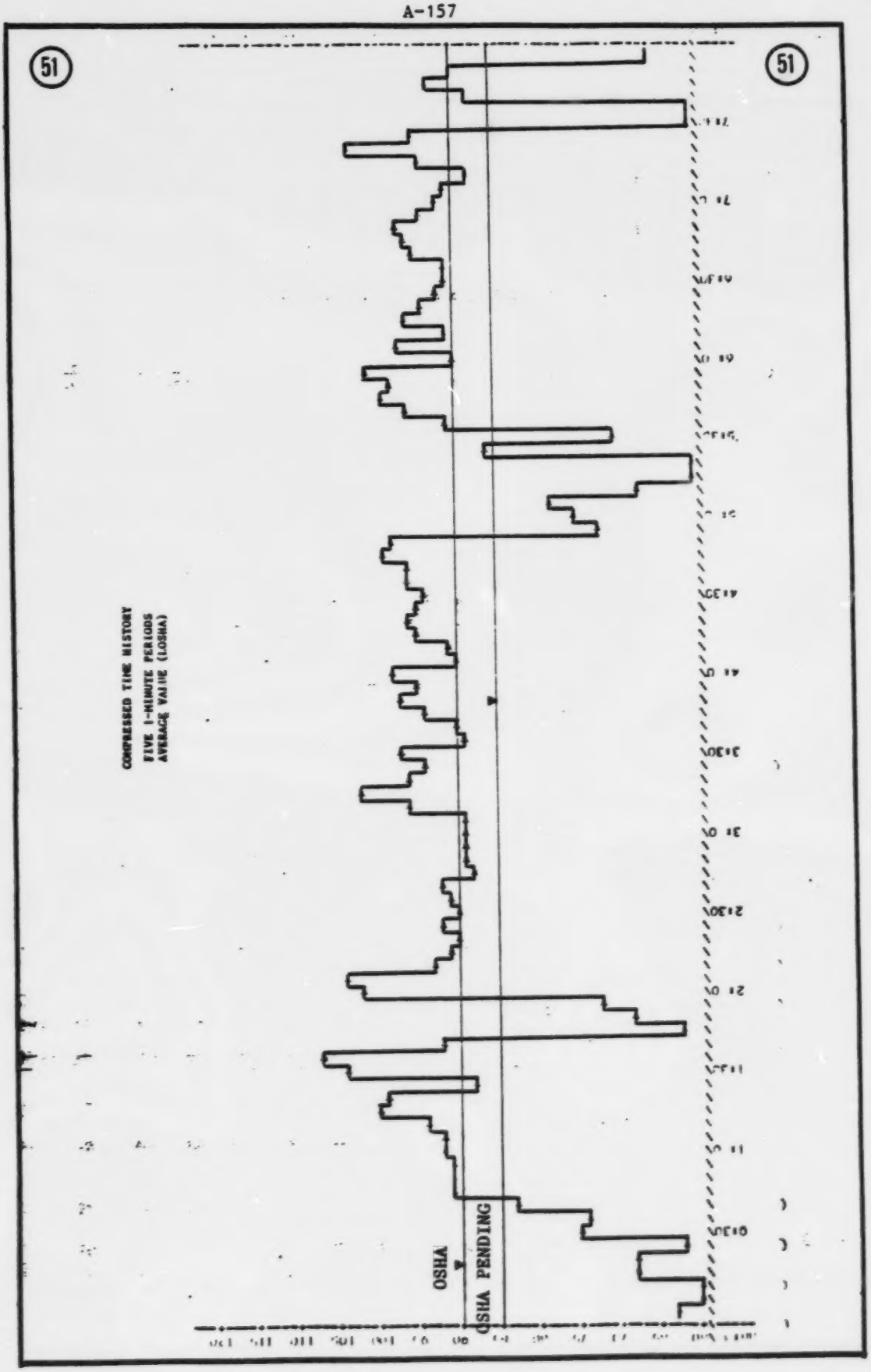
(51)

66	67	60	60	60	60	60	60	61	60	60	60	61	60	60	60
60	77	62	64	76	65	61	60	60	60	64	60	60	65	64	73
78	72	78	82	64	69	70	67	76	85	72	76	90	91	91	91
91	91	91	90	91	92	93	89	90	92	92	91	93	91	91	92
92	91	91	91	92	93	92	92	91	96	97	101	101	101	96	101
100	97	101	100	97	91	96	89	89	84	93	101	98	104	110	106
109	107	103	105	103	78	80	81	85	85	81	81	80	82	81	80
80	86	77	74	70	73	76	80	76	102	104	103	104	107	106	105
103	91	92	94	93	93	93	93	92	92	90	89	90	89	89	90
91	92	92	92	92	91	90	90	91	90	90	90	91	90	93	92
95	95	90	89	88	89	88	88	88	88	90	90	89	89	89	89
89	89	89	89	89	89	89	90	90	90	89	89	89	90	91	94
95	97	101	102	102	104	103	99	94	98	94	94	96	97	96	94
92	91	92	100	102	97	89	89	89	88	92	86	88	88	89	90
92	94	93	92	94	95	93	94	98	99	100	99	93	93	94	96
100	102	99	95	92	91	90	92	92	89	88	92	90	92	91	94
98	97	93	93	96	95	95	96	96	97	96	94	94	92	94	93
94	95	96	97	97	96	95	97	97	96	96	97	96	97	98	98
102	98	90	101	103	97	80	78	76	83	80	80	80	85	79	80
74	80	80	83	84	85	75	80	80	80	84	80	80	80	80	80
80	80	80	80	82	90	94	88	82	78	78	81	81	78	89	92
78	90	74	100	100	87	97	97	93	88	89	96	102	105	105	97
96	92	89	96	104	103	101	96	89	89	90	90	90	96	99	102
94	92	91	92	91	91	91	93	99	93	98	95	98	90	91	93
94	92	92	94	92	90	91	90	90	91	91	91	92	92	91	91
94	96	94	96	97	96	97	97	96	96	96	96	96	97	100	98
91	90	92	96	93	91	92	92	92	92	92	92	91	88	88	89
88	89	86	88	89	93	98	98	101	103	104	103	103	103	99	76
81	80	80	80	80	80	80	80	80	80	80	80	75	90	89	89
88	90	96	93	93	93	92	94	94	84	71	66	62	65	66	64

```
EOF

ENTER LOG DATE (DD/MM/YR) : 23/07/79
ENTER SITE CODE (5 CHARS) : CC203

ENTER USER CODE (4 CHARS) : 2839
 ENTER JOB CODE (3 CHARS) : 080

   DATA LOGGED :23 JULY 1979          DATA ANALYZED : 17 SEPT 1979
        LOGGER : DB-301/26                 SITE CODE : CC203
 SERIAL NUMBER : 1225                       JOB CODE : 080
      BASELINE : 60 DB                     USER CODE : 2839
 DYNAMIC RANGE : 54 DB                     THRESHOLD : 80 DB
 SAMPLING RATE : 4/SEC                TOTAL SAMPLES = 115200
 TEST DURATION = 8  0  0              STANDBY TIME =  0  0  0

            TIME HISTORY ANALYSIS

 NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
 ARE BASED ON THE FOLLOWING
 100% DOSE = 90 DB / 8 HRS
 EXCHANGE (DOUBLING) RATE = 5 DB
 THRESHOLD (CUTOFF) LEVEL = 80 DB
   NUMBER OF COMPUTATIONS = 480
 PERIOD =  1 MINUTES

 TIME          LOCAL                        ZONE
 HOUR    CURRENT  CUMULATIVE        CURRENT  CUMULATIVE
    1       82.6       82.6          4.450       4.45
    2       95.8       92.8         12.237      34.69
    3       94.8       93.5         24.196      60.84
    4       95.3       94.0         26.131      86.97
    5       95.2       94.3         25.813     112.79
    6       91.6       93.9         15.999     128.79
    7       94.3       94.0         22.542     151.33
    8       92.3       93.8         17.140     168.47
 MIN. COMP. =  60 DB              MAX. COMP. = 110 DB
 ARITHMETIC MEAN =  86 DB
 STD. DEVIATION. =  13 DB
 VARIANCE =169 DB
```



FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
71	14.8	60 To 64
16	3.3	65 To 69
12	2.5	70 To 74
18	3.8	75 To 79
9	1.9	80 To 84
58	12.1	85 To 89
162	33.8	90 To 94
81	16.9	95 To 99
43	9.0	100 To 104
9	1.9	105 To 109
1	.2	110 To 114
0	0.0	115 To 119
TOTAL NO. OF DATA POINTS = 480		


51
51
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

52

PLACE TAPE IN READER THEN TYPE A "SPACE" AND A "RETURN"

52

```
  1  26  80  1218   60   64    4    1
     23     115200  480
 63  60  60  65  60  60  62  61  60  60  61  60  60  60  61  61
 60  60  60  66  60  60  60  60  62  60  60  63  64  74  72  68
 79  85  88  88  89  88  88  88  88  89  88  88  88  88  88  88
 88  88  89  88  89  89  90  89  89  89  90  89  89  90  89  89
 89  89  89  90  89  89  89  95  97  100 102 100  98 102 100  99
 100 100  98  97  97  89  95  93  98  92  96  97  96  98  99  94
 95  97  88  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  62  60  60  60  93  94  96  96  97  96  94  92  86
 88  88  88  88  92  91  92  91  90  88  88  87  88  89  89  89
 89  89  89  89  89  88  88  87  88  88  88  88  91  88  93  93
 91  89  90  90  89  89  90  89  88  88  88  89  90  89  89  89
 89  89  90  89  89  89  89  89  89  90  90  90  91  92  97  95
 102 102 102 103 102 100 101 100  96  97  95  99  94  90  94  88
 95  101  99  92  83  84  84  87  87  85  85  82  83  83  84  83
 85  86  85  86  85  94  94  95  95  93  92  93  93  95  96  98
 97  97  98  97  97  95  91  92  94  92  88  88  88  87  82  82
 84  84  84  88  87  82  82  82  82  82  82  81  86  95  96  96
 99  100  99  97  98  97  98  98  99  98  98  99  99  98 104  93
 94  101 102  88  72  74  64  60  60  60  60  60  75  75  64  60
 60  77  74  80  67  60  60  60  60  60  60  60  60  60  60  60
 60  60  61  93  87  60  60  64  67  60  74  66  73  76  81  87
 84  101  96  89  97  94  89  86  90  98 102 100  99  91  95  87
 91  99  101 101  98  90  86  86  86  86  88  93  99  98  91  90
 89  90  89  89  90  95  94  92  96  93  92  88  87  88  89  88
 89  89  87  87  87  87  87  87  87  89  89  90  90  90  92  91
 90  92  90  90  90  90  90  90  90  90  91  93  92  88  88  87
 89  90  89  87  88  87  87  87  87  87  86  86  86  86  86  86
 86  86  86  93  94  95 101 100 101  98  98  97  90  61  60  60
 60  61  60  60  60  60  60  60  60  62  77  89  88  88  88  92
 97  92  94  95  94  96  87  65  61  60  60  60  61  63  60  60
%EOF
```

```
ENTER LOG DATE (DD/MM/YR) : 23/07/79
ENTER SITE CODE (5 CHARS) : CC203
ENTER USER CODE (4 CHARS) : 4703

 ENTER JOB CODE (3 CHARS) : 272
```

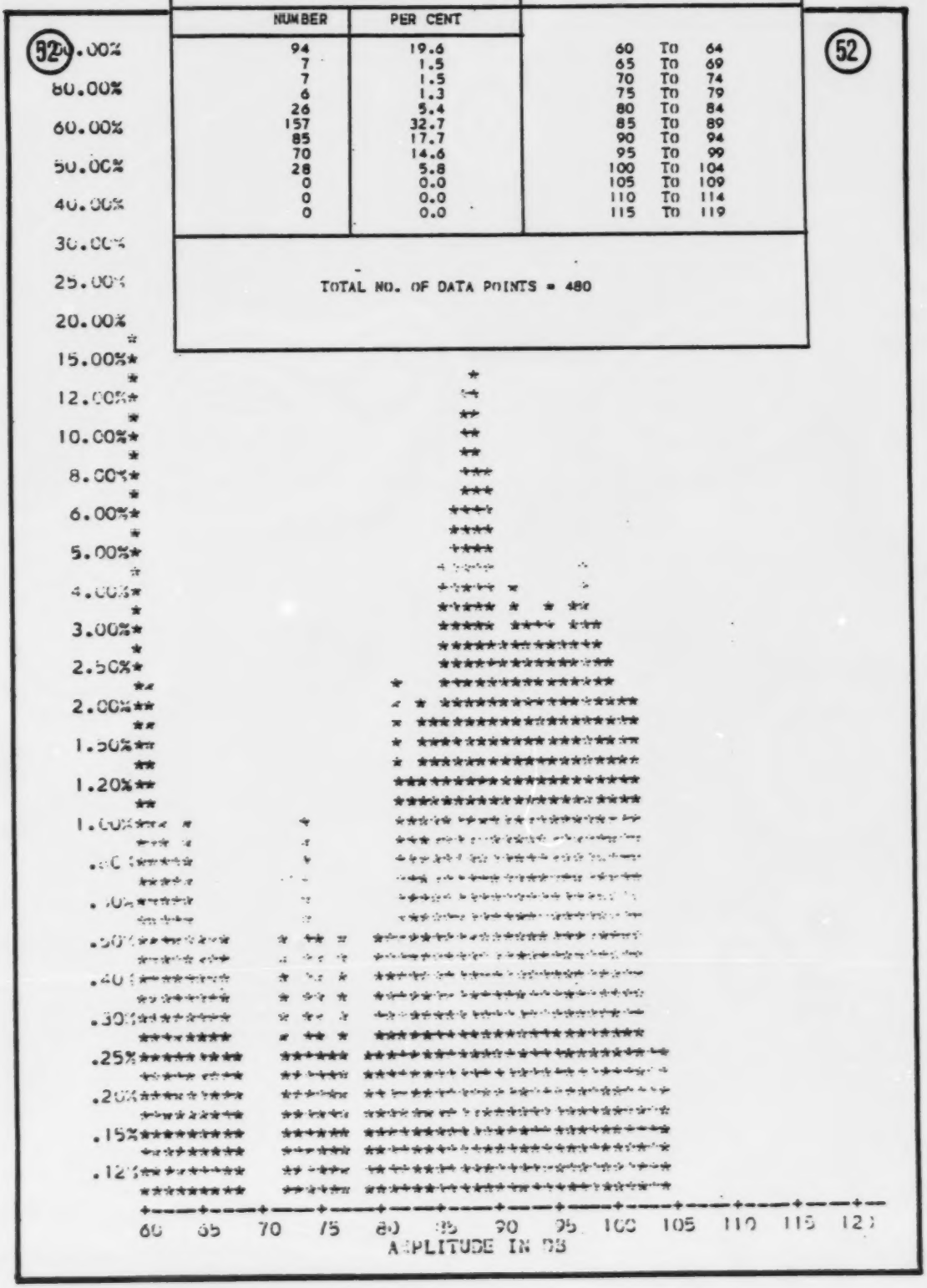
```
   DATA LOGGED :23 JULY 1979                DATA ANALYZED : 17 SEPT 1979
       LOGGER : DN-301/25                      SITE CODE : CC203
SERIAL NUMBER : 1218                           JOB CODE : 272
     BASELINE : 60 DB                          USER CODE : 4703
DYNAMIC RANGE : 64 DB                         THRESHOLD : 60 DB
SAMPLING RATE : 4/SEC                      TOTAL SAMPLES = 115200
TEST DURATION =  8: 0: 0                     STANDBY TIME =  0: 0: 0

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
1004 DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 60 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES
```

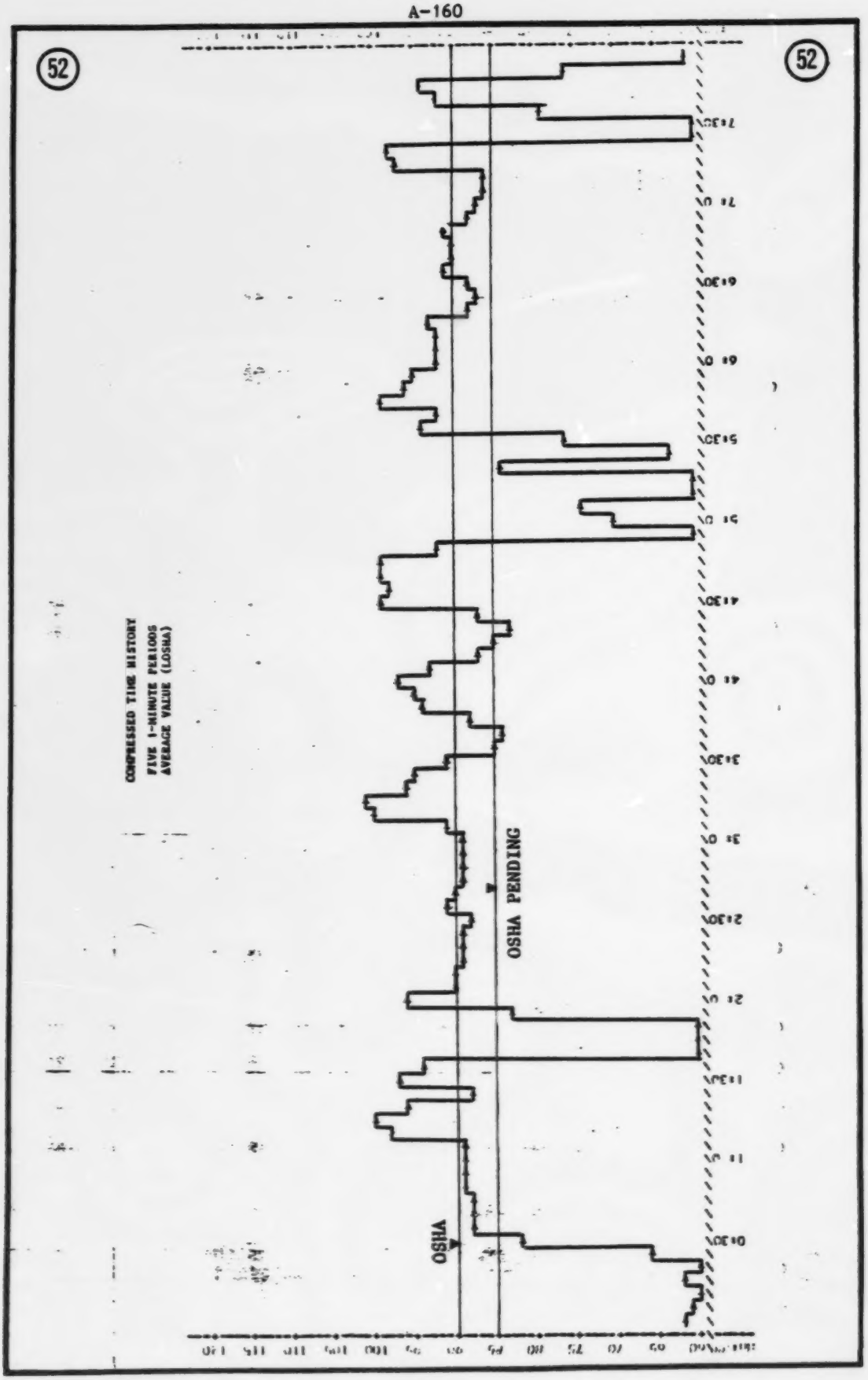
TIME	LOGMA		DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	83.0	83.0	4.728	4.73
2	92.3	89.1	17.293	22.02
3	90.2	89.5	12.899	34.92
4	94.4	91.1	22.934	57.85
5	94.0	91.7	21.742	79.60
6	89.8	91.5	12.151	91.75
7	90.5	91.3	13.363	105.11
8	89.3	91.1	11.413	116.53

```
MIN. COMP. =  60 DB                  MAX. COMP. = 104 DB
ARITHMETIC MEAN =  84 DB
STD. DEVIATION =  13 DB
VARIANCE =169 DB
```

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
94	19.6	60 To 64
7	1.5	65 To 69
7	1.5	70 To 74
6	1.3	75 To 79
26	5.4	80 To 84
157	32.7	85 To 89
85	17.7	90 To 94
70	14.6	95 To 99
28	5.8	100 To 104
0	0.0	105 To 109
0	0.0	110 To 114
0	0.0	115 To 119

TOTAL NO. OF DATA POINTS = 480




52
52
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

(53)

```
PLACE TAPE IN READER THEN TYPE A "SPACE" AND A "RETURN"
  1  26  80  1210    60    64     4     1
     336       115200   480
  60  68  60  61  60  67  68  64  68  75  79  83  76  76  96 100
 100 100 103 103 103  98  94  97  98  99 100  98  98  98  98  98
  99  98  99  99  94  99  96  93  75  61  60  60  60  60  60  60
  60  62  60  67  62  65  71  49  64  64  60  60  63  60  60  60
  60  68  60  60  70  65  60  60  60  60  60  66  63  60  64  60
  61  60   -  62  60  60   -   -  66  63   -   -  63  63  63  63
  66  60  62  60  60  64  67  67  61  62  60  66   1  60  63  63
  60  72  60  60  60  60  60  63  61  60  60  70   1  60  63  63
  60  60  60  70  64  60  61  60  60  60  60  60  64  60  61  60
  60  60  63  63  63  67  63  73  67  62  65  62  62  63  79  74
  75  82  66  91  62  65  60  60  71  76  64  71  77  63  67  67
  78  79  81  78  78  80  61  82  84  85  87  84  80  81  83  85
  91  93  93  85 101  93  80  92  96  92  93  92  92  92  96  89
  95  94  96  95  93  98 100  95  96  96  97  97  93  97  97  93
  98  97  97  93  93  88  98  93  91  91  90  95  98  94  96  82
  63  60  60  65  60  60  60  60  60  60  60  60  60  60  60  60
  61  61  70  70  65  70  62  60  60  60  60  60  64  62  64  66
  60  60  62  60  67  61  63  60  60  60  60  65  64  60  60  60
  71  84  96  94  93  99  92  93  91  74  66  73  90  92  95  94
  99  95  90  84  85  83  86  95  89  89  87  85  84  85  90  92
 104 106 113  96 105 110 108  97  93  91 103 107 110 111 111 107
  92  93 103 106 106  84  67  69  79  83  94  96  97  95  95  94
  85  68  72  68  71  64  71  65  66  68  94  96  95  99  95  90
  93  98  90  89  79  79  81  83  82  85  88  90  86  80  88  89
  66  86  99 109 109 109 109 107  86 104 103 109  98 106  99  90
  91  85  74  90  90  92  92  81  76  90  91  89  89  92  94  97
  96  96  94  94  75  76  66  60  62  60  61  60  60  60  60  60
  63  89  92  94  99  87  60  65  61  60  67  69  51  62  67  61
  60  60  73  62  72  92  91  91  91  92  94  91  93  92  96  97
  96  97  98 100 100  99 100  98  98  90  78  79  79  88  85  81
$EOF
```

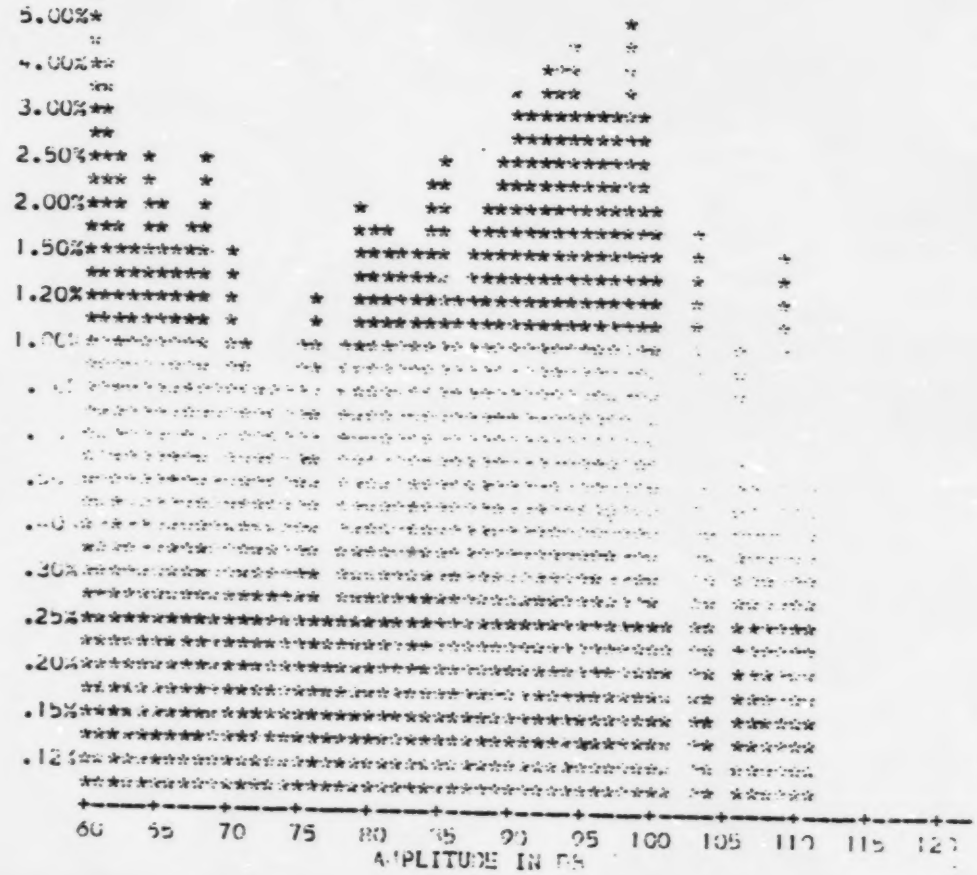
(53)

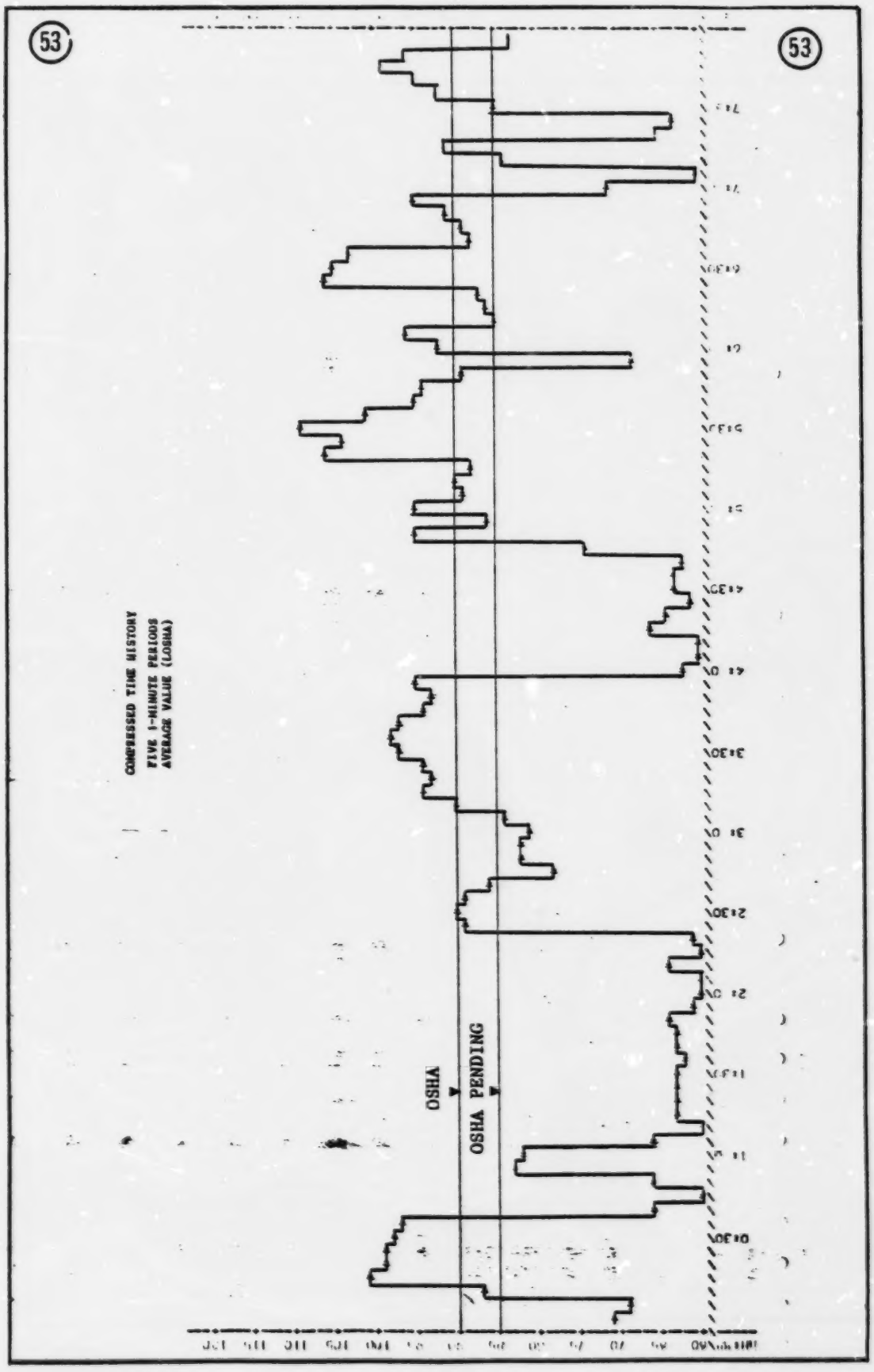
```
ENTER LOG DATE (DD/MM/YR) : 19/07/79
ENTER SITE CODE (5 CHARS) : CC202
ENTER USER CODE (4 CHARS) : 2979

 ENTER JOB CODE (3 CHARS) : 220
```

```
   DATA LOGGED :19 JULY 1979          DATA ANALYZED : 14 SEPT 1979
        LOGGR : [illegible]                SITE CODE : CC202
SERIAL NUMBER : 1215                       JOB CODE : 220
      BASELINE : 60 DB                    USER CODE : 2979
DYNAMIC RANGE : 64 DB                     THRESHOLD : 60 DB
SAMPLING RATE : 4/SEC                   TOTAL SAMPLES = 115200
TEST DURATION =  8[illegible]              STARTUP TIME =  08 1624

                TIME HISTORY ANALYSIS

NOISE EXPOSURE LEVEL (N.E.L.) CALCULATIONS
ARE BASED ON THE FOLLOWING
LOG BASE = [illegible]
SAMPLE (SAMPLING) RATE = [illegible]
THRESHOLD (CUTOFF) LEVEL = 60 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD = 1 HOURS

TIME          LEVEL                      NOISE
HOUR     CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1        93.1        93.1       19.131       19.13
   2        [illegible]        [illegible]        .597       19.73
   3        [illegible]        [illegible]       4.437       24.17
   4        91.7        89.3       20.976       45.09
   5        79.9        84.1        3.093       48.18
   6        [illegible]        91.6       [illegible]       91.06
   7        97.3        92.7       34.515      127.58
   8        [illegible]        92.4       12.184      139.77
MIN. COMP. =  60 DB                MAX. COMP. = 111 DB
ARITHMETIC MEAN =  79 DB
STD. DEVIATION =  16 DB
VARIANCE =255 DB
```

AMPLITUDE DISTRIBUTION

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
149	31.0	60 TO 64
34	7.1	65 TO 69
19	4.0	70 TO 74
22	4.6	75 TO 79
35	7.3	80 TO 84
40	8.3	85 TO 89
75	15.6	90 TO 94
70	14.6	95 TO 99
18	3.8	100 TO 104
14	2.9	105 TO 109
4	.8	110 TO 114
0	0.0	115 TO 119
TOTAL NO. OF DATA POINTS = 480		




53
53
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (dBA)
OSHA
OSHA PENDING

(54)

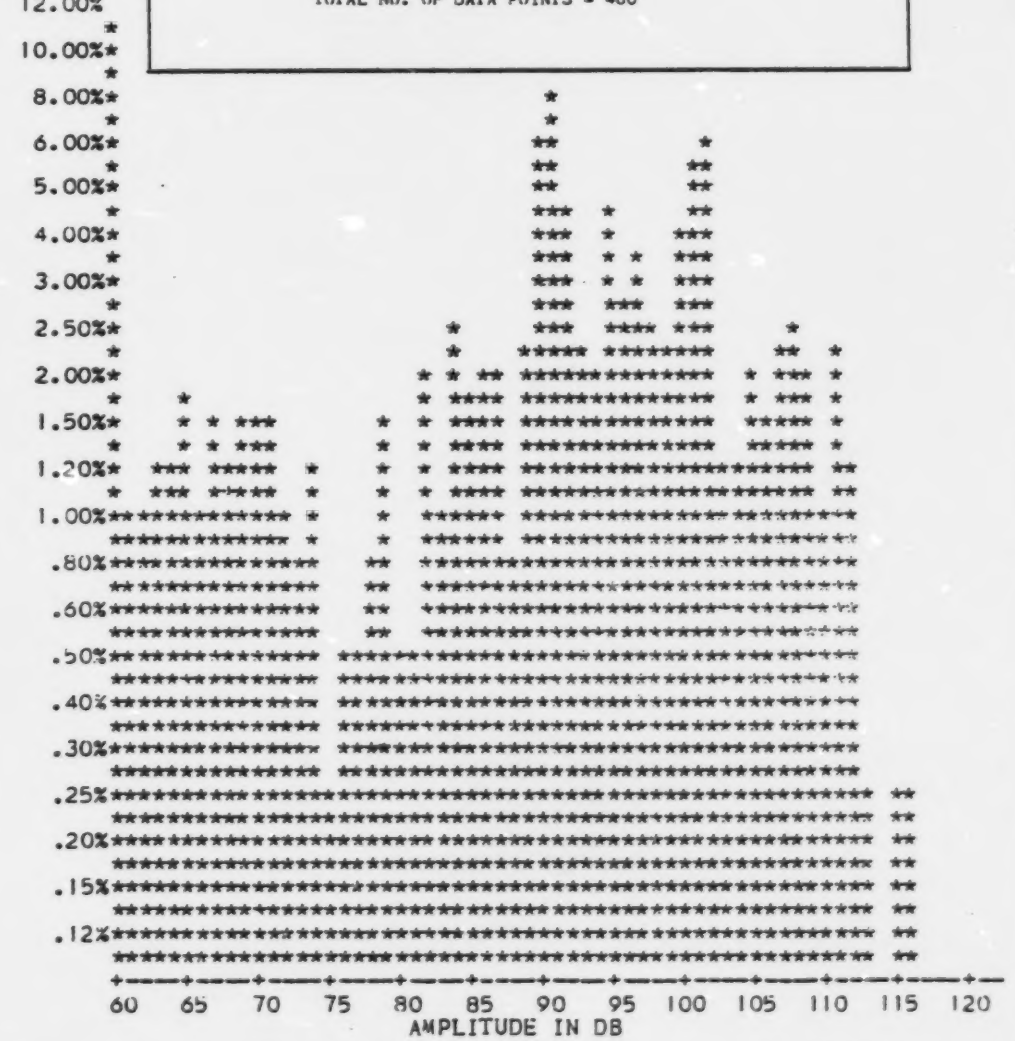
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1224    60   64    4    1
        35     115200  480
  66  64  63  71  69  72  82  70  68  69  65  68  73  74  65  68
  67  70  65  63  60  61  69  71  71  65  66  60  69  64  60  60
  60  67  60  60  63  71  70  64  73  84  90  88  91  60  76  83
  86  98  90  97  90  87  89  95  82  89  96  89 100 101 100  84
  82  82  72  84  68  90  99  92 100 100 101 102 101 101 102 102
 100 101 102 102 102  98 102  99  85  96 101 101 102 100  99 101
 101 100 102  99  99  97  99 100 100 100  95  67  60  61  62  60
  60  60  79 100 100 102 100 103 102 102 102 116 104 102  96  95
  92  91  92  96 103 107 105  63   0  65  60  60  60  72  60  60
  61  64  69  93 102  97  71  76  60  60  60  60  60  60  63  60
  74  61  60  72  79  62  60  60  60  60  67  64  84  88  70  60
  67  98 101  95 102  95  95  95  97  96  96  96  95  95  95  95
  96  94  94  93  93  93  93  93  94  94  97  91  91  91  91  91
  91  91  91  90  90  90  90  91  90  91  91  91  90  90  90  90
  90  90  90  91  91  92  90  91  91  91  90  92  91  91  91  91
  94  92  92  91  94  92  92  92  92  92  92  91  97  79  67  60
  60  91 104  97 101 106  98  96 101 106 100 105 108 109 108 108
 108 109  95  95  96 104 103  99 101 102  99 101  98  99 101 103
 101 107 101  92 101 101  85  60  60  65  60  84  80  64  60  82
  86  79  87  60  87  74  74  65  78  60  60  60  81  92  98  83
  73  77  98 102 105  97 105 105  93  75 105 104 108 107 107 107
 107 108 109 112 110 106 109 107 106  84  89  83  91  95  98  97
  92  86  89  89  90  92 102  97  91  88  82  66  78  93 110 108
 111 111 112 110 110 109 111 111 111 111 111 112 112 111 103 102
  90  98  97  82  94  81  95  98  97  97  91  94  93  89  95  85
  70  74  84  69  96  77  62  86  95  80  68  71  87  97 101 100
 104 109 111 105  91  90  90 106 107 106  79  87  90  90  86  86
  89  83  85  84  90  62  60  60  60  79 101  89  87  87  82  70
  78  91  85  91  86  86  85  87  60  60  66  95 108 101  97 105
 109 107 109 113 108 115 112 108 102 102 102 102 102 101 100  84
%EOF


ENTER LOG DATE (DD/MM/YR) : 26/07/79.
ENTER SITE CODE (5 CHARS) : 2SHAF

ENTER USER CODE (4 CHARS) : 2506
 ENTER JOB CODE (3 CHARS) : 220


   DATA LOGGED :26 JULY 1979          DATA ANALYZED : 19 SEPT 1979
       LOGGER : 08-301/26                 SITE CODE : 2SHAF
SERIAL NUMBER : 1224                       JOB CODE : 220
     BASELINE : 60 DB                    USER CODE : 2506
DYNAMIC RANGE : 64 DB                   THRESHOLD :  80 DB
SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0             STANDBY TIME =   0: 0: 8

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                    DOSE
HOUR     CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1        82.3       82.3        4.297        4.30
   2        98.2       94.0       39.145       43.44
   3        95.1       94.4       25.394       68.84
   4        92.8       94.0       18.552       87.39
   5       100.0       95.7       50.098      137.49
   6       100.1       96.6       51.004      188.49
   7       103.5       98.1       81.690      270.18
   8       100.5       98.5       53.527      323.71
MIN. COMP. =  60 DB              MAX. COMP. = 116 DB
ARITHMETIC MEAN =  86 DB
STD. DEVIATION =  15 DB
VARIANCE =225 DB
```

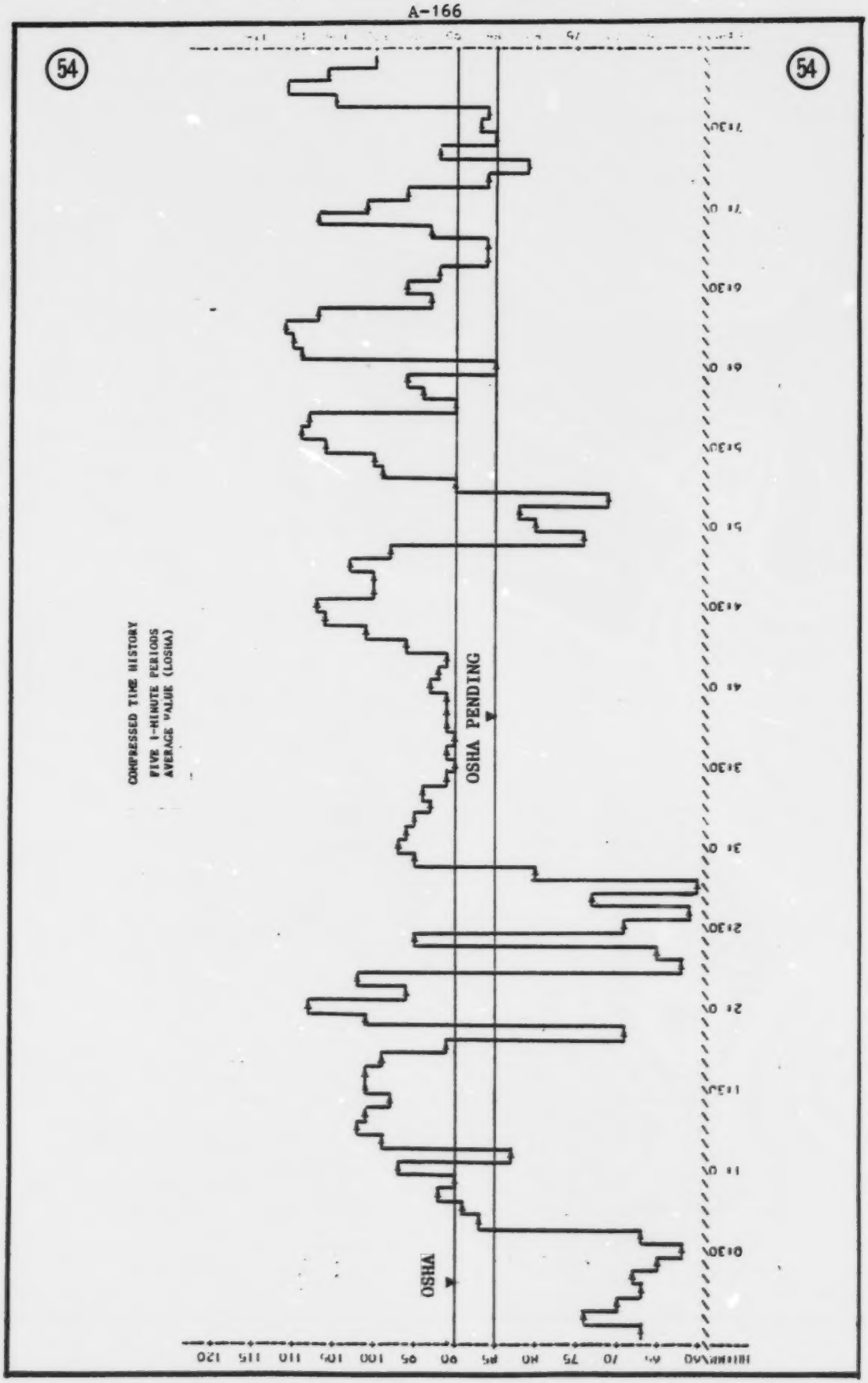
(54)

AMPLITUDE DISTRIBUTION

(54) (54)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
64	13.3	60 TO 64
28	5.8	65 TO 69
24	5.0	70 TO 74
14	2.9	75 TO 79
26	5.4	80 TO 84
35	7.3	85 TO 89
91	19.0	90 TO 94
62	12.9	95 TO 99
74	15.4	100 TO 104
41	8.5	105 TO 109
19	4.0	110 TO 114
2	.4	115 TO 119
TOTAL NO. OF DATA POINTS = 480		




54
54
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA PENDING
OSHA
0:30
1:0
1:30
2:0
2:30
3:0
3:30
4:0
4:30
5:0
5:30
6:0
6:30
7:0
7:30
120
115
110
105
100
95
90
85
80
75
70
65
60

55

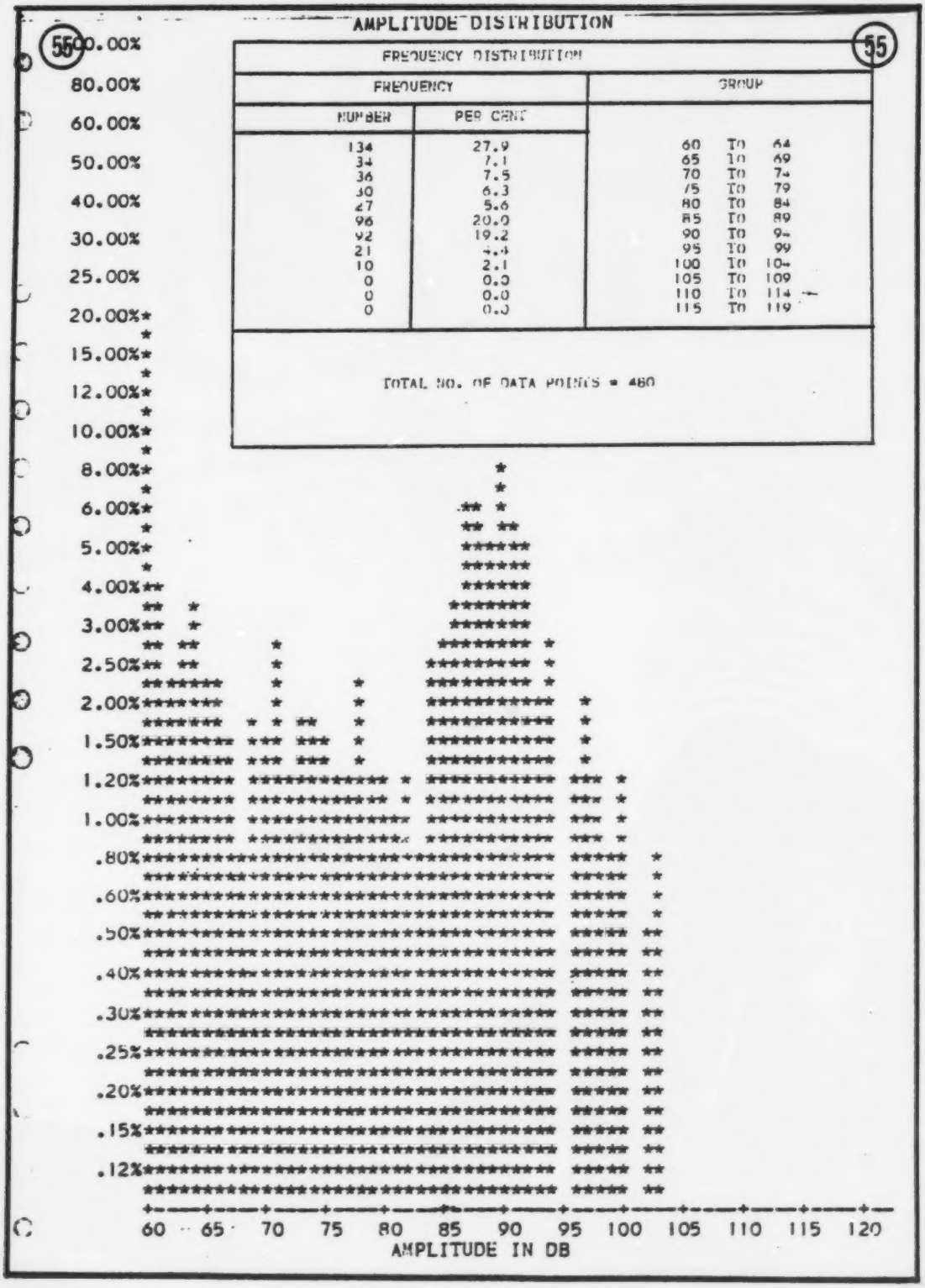
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1212   60   64    4    1
     36    115200  480
  60  60  60  62  65  60  64  66  74  78  71  60  60  61  60  60
  60  60  61  60  64  70  72  64  63  69  73  70  70  71  63  72
  65  72  64  69  64  66  60  66  71  61  61  60  61  62  73  70
  65  78  79  69  62  61  65  71  67  64  64  62  61  63  60  63
  60  61  61  60  73  60  65  67  66  74  71  81  85  82  75  74
  85  83  79  89  85  85  89  90  86  82  82  91  93  89  92  89
  87  97  97  88  87  87  91  91  87  86  90  90  [illegible]  86  [illegible]  86
  87  84  84  84  87  85  84  90  98  97  98  83  82  84  88  97
 103 103  99  94 100  93  76  67  89  90  92  92  92  92  88  88
  92  91  92  91  91  89  87  91  90  90  85  87  84  60  70  63
  66  74  71  60  60  60  60  72  74  77  78  64  78  79  76  71
  73  75  85  94  78  63  85  86  83  76  77  78  75  77  78  78
  81  92  92  91  88  79  77  69  65  65  87  89  88  91  94  94
  90  87  88  88  89  80  84  89  92  92  90  90  89  90  91  89
  77  74  87  89  92  88  87  90  90  97  97  96  96  93 100  91
  92  94  98  92 100  97  90  91 103  96 100  93  87  87  73  71
  60  60  68  65  69  75  69  61  62  79  91  90  90  90  90  89
  88  88  85  61  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  62  69  88  91  87  92  89  88  73  63  75  60  60  60
  60  60  71  65  60  81  71  76  73  74  81  87  88  86  85  86
  88  90  90  82  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  78  80  60  60  80  87  80  75  80  86  89
  94 102  98  97  92  92  90  90  96  86  84  87  89  90  94  91
  86  87  88  90  89  90  90  91  87  91  89  90  88  90  94  94
  93  92  88  93  91  92  88  91  91  92  93  89  88  87  87  88
  91  94  87  89  86  84  84  90  86  85  86  87  86  86  87  86
  88  90  91 100  99  91  93 102  96  98  99  94  76  60  67  66
  60  70  60  61  63  61  71  66  66  67  61  63  68  64  64  61
  64  68  61  64  63  64  64  66  62  60  67  63  62  60  62  72
%EOF
```

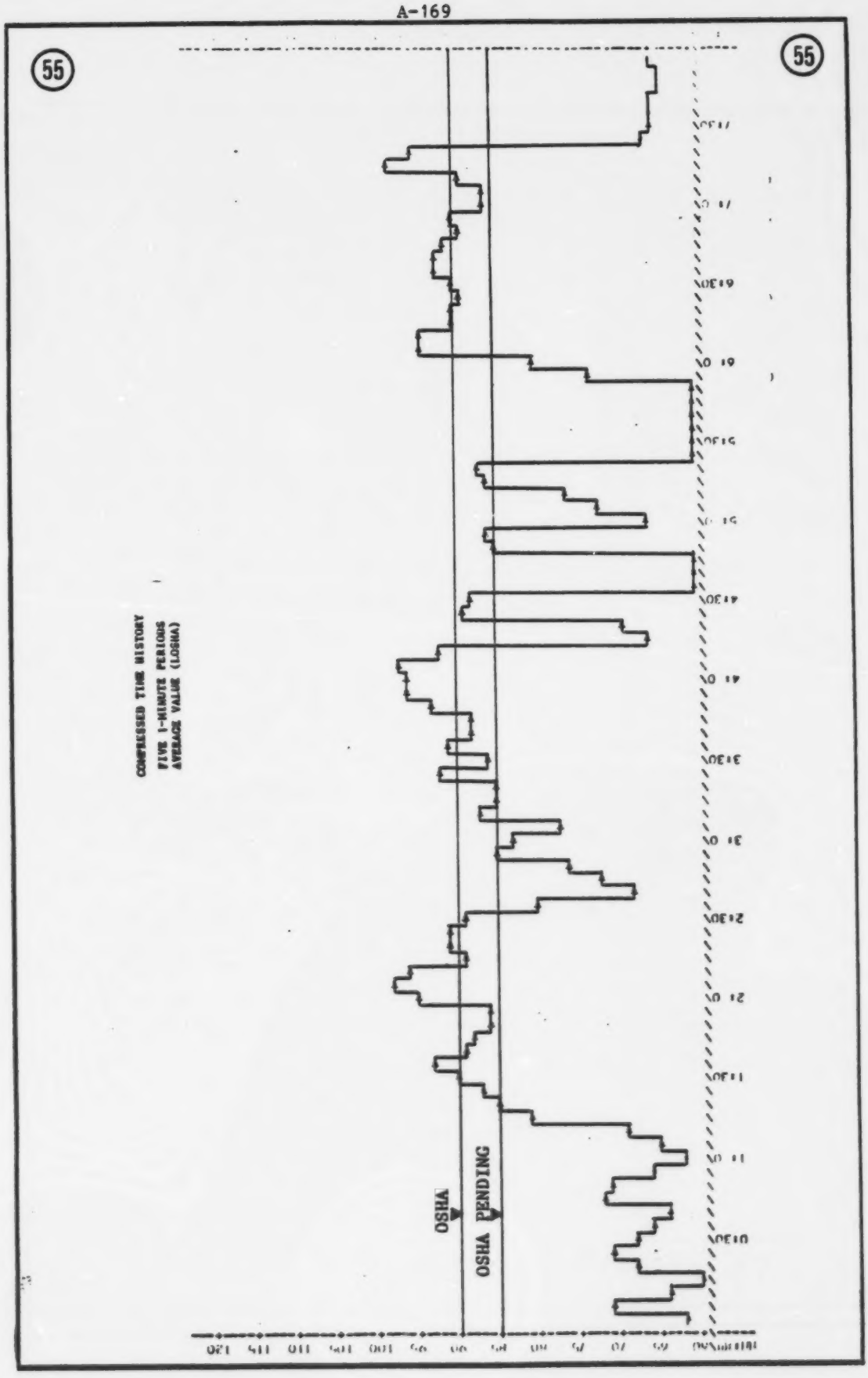
```
ENTER LOG DATE (DD/MM/YR) : 11/09/79
ENTER SITE CODE (5 CHARS) : 2SHAF

ENTER USER CODE (4 CHARS) : 4140
 ENTER JOB CODE (3 CHARS) : 141
```

```
   DATA LOGGED :11 SEPT 1979          DATA ANALYZED : 27 SEPT 1979
        LOGGER : DB-301/26                 SITE CODE : 2SHAF
SERIAL NUMBER : 1212                        JOB CODE : 141
      BASELINE : 60 DB                      USER CODE : 4140
DYNAMIC RANGE : 64 DB                      THRESHOLD : 60 DB
SAMPLING RATE : 4/SEC                  TOTAL SAMPLES = 115200
TEST DURATION =  8: 0: 0                STANDBY TIME =  0: 0: 0

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
TOUR LOSE = [illegible] HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 60 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

TIME	LOGHA		%DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	67.8	67.8	.572	.57
2	86.0	81.6	7.181	7.75
3	90.2	85.7	12.792	20.53
4	89.0	86.7	10.933	31.47
5	88.1	87.0	9.613	41.08
6	75.9	86.0	1.758	42.84
7	90.8	86.9	13.870	56.71
8	86.6	86.8	7.756	64.46

```
MIN. COMP. =  60 DB              MAX. COMP. = 103 DB
ARITHMETIC MEAN =  77 DB
STD. DEVIATION =  13 DB
VARIANCE =169 DB
```


AMPLITUDE DISTRIBUTION
FREQUENCY DISTRIBUTION
FREQUENCY
NUMBER
PER CENT
GROUP
134 27.9 60 TO 64
34 7.1 65 TO 69
36 7.5 70 TO 74
30 6.3 75 TO 79
27 5.6 80 TO 84
96 20.0 85 TO 89
92 19.2 90 TO 94
21 4.4 95 TO 99
10 2.1 100 TO 104
0 0.0 105 TO 109
0 0.0 110 TO 114
0 0.0 115 TO 119
TOTAL NO. OF DATA POINTS = 480
80.00%
60.00%
50.00%
40.00%
30.00%
25.00%
20.00%
15.00%
12.00%
10.00%
8.00%
6.00%
5.00%
4.00%
3.00%
2.50%
2.00%
1.50%
1.20%
1.00%
.80%
.60%
.50%
.40%
.30%
.25%
.20%
.15%
.12%
60 65 70 75 80 85 90 95 100 105 110 115 120
AMPLITUDE IN DB


55
55
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

56

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

56

```
  1  26  80  1225   60   64    4    1
     123     115200  480
 61  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  61  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  67  60  60  60  60  60  62  60  65  68  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 74  60  60  60  62  64  61  71  60  68  62  60  71  64  61  60
 60  60  60  60  60  60  60  60  60  60  60  60  75  60  60  85
 86  64  66  64  63  60  60  60  60  64  80  87  70  70  60  60
 62  60  60  60  60  60  69  80  72  75  60  65  60  60  60  60
 65  69  63  67  69  71  64  69  62  69  70  69  68  69  66  75
 62  77  73  79  81  83  77  78  63  60  60  60  60  60  61  65
 60  60  63  62  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  65  77  69  60  60  60  60  75  72  78  71  68  64  67
 71  64  60  62  62  61  61  63  66  75  70  72  75  66  75  77
 75  77  72  74  74  66  67  65  65  69  72  65  67  62  61  60
 61  60  67  78  74  77  72  70  72  77  72  71  74  77  71  73
 73  76  78  75  73  70  69  64  66  65  68  69  64  60  60  60
 67  60  60  60  62  62  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  73  61  60  60  60  60  60  60  60  60  60  60
 60  60  87  63  60  60  60  60  60  60  60  60  60  73  70  61
%EOF
```

```
ENTER LOG DATE (DD/MM/YR) : 28/08/79
ENTER SITE CODE (5 CHARS) : 1SHAF
ENTER USER CODE (4 CHARS) : 7450
 ENTER JOB CODE (3 CHARS) : 294
```

```
   DATA LOGGED :28  AUG 1979
        LOGGER : DB-301/26
SERIAL NUMBER : 1225
      BASELINE : 60 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE :  4/SEC
TEST DURATION =   8: 0: 0
```

```
DATA ANALYZED : 26 SEPT 1979
     SITE CODE : 1SHAF
      JOB CODE : 294
     USER CODE : 7450
     THRESHOLD :  [illegible] DB
TOTAL SAMPLES =  115200
 STANDBY TIME =   0: 0: 0
```

TIME HISTORY ANALYSIS

```
NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

TIME	LOGHA		DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	60.0	60.0	.196	.20
2	60.0	60.0	.196	.39
3	60.0	60.0	.195	.59
4	62.3	60.7	.269	.86
5	70.4	63.9	.825	1.68
6	68.6	64.9	.642	2.32
7	71.5	66.3	.967	3.29
8	65.9	66.3	.444	3.73

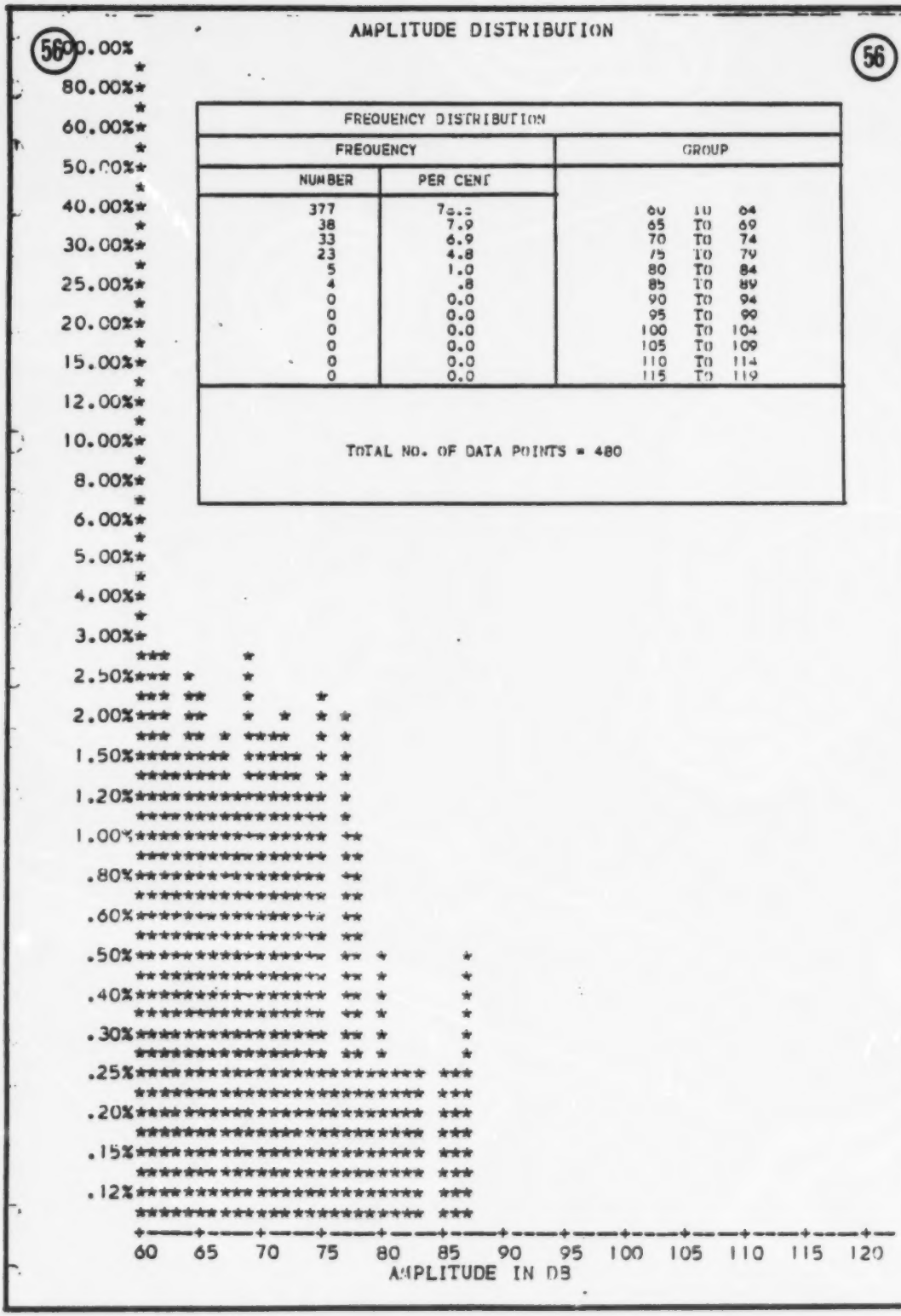
```
MIN. COMP. =  60 DB          MAX. COMP. =  87 DB
ARITHMETIC MEAN =  62 DB
STD. DEVIATION =  5 DB
VARIANCE = 25 DB
```

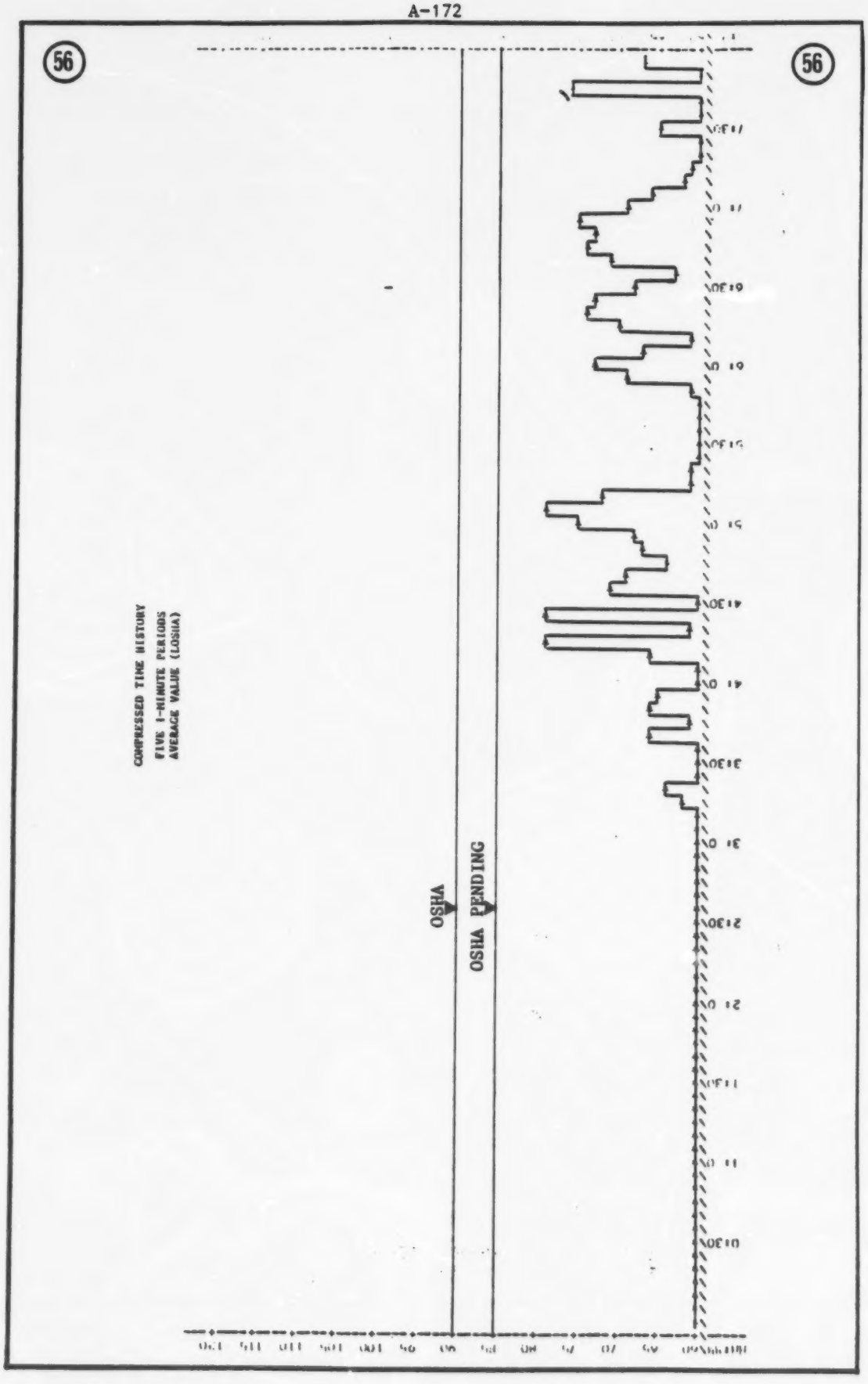
AMPLITUDE DISTRIBUTION

(56) (56)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
377	78.5	60 TO 64
38	7.9	65 TO 69
33	6.9	70 TO 74
23	4.8	75 TO 79
5	1.0	80 TO 84
4	.8	85 TO 89
0	0.0	90 TO 94
0	0.0	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




56
56
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
0:30
1:0
1:30
2:0
2:30
3:0
3:30
4:0
4:30
5:0
5:30
6:0
6:30
7:0
7:30

57

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

57

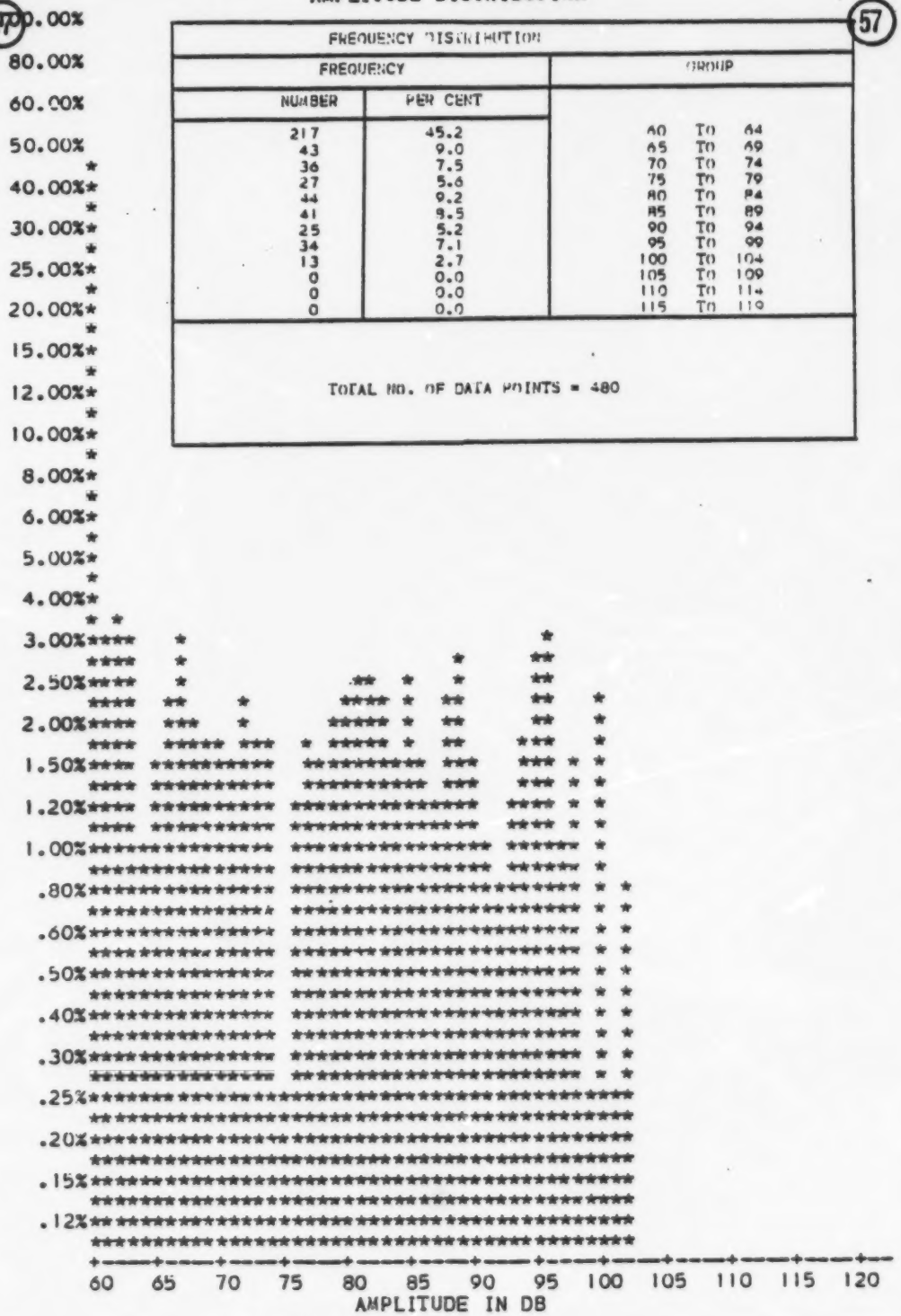
```
  1  26  80  1221   60   64    4    1
     51    115200  480
 60  73  71  67  66  81  60  60  63  65  77  81  69  71  70  62
 60  60  62  61  62  60  60  60  60  60  60  60  60  60  60  61
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  68  60  61  60  61  60  60  60  60  62  60  69  67  72  60
 55  67  79  62  60  60  60  60  60  60  60  60  68  68  60  60
 60  60  60  60  60  60  66  68  60  63  78  91  89  83  73  85
 87  89  80  80  90  88  72  81  81  89  84  94  96  85  86  98
100  95  95  94  96  95  96  96  96 100 101  95  94  79  80  72
 67  63  81  91  82  82  77  72  80  78  85  89  89  93  90  90
 88  80  82  80  79  81  82  82  84  89  85  83  82  82  89  76
 85  71  73  85  83  80  85  77  85  86  70  84  86  60  62  60
 60  71  62  60  60  60  60  60  60  60  71  60  89  94  96  97
 97  92  98  97  88  88  91  93  94  91  94  93  95  99  98  97
100  98 100 102 100 100 102 100 102 100 100  98  95  96  93  93
 90  89  88  94  95  96  95  96  96  96  96  95  95  95  87  94
 92  88  80  83  87  78  83  73  84  82  60  74  67  60  60  61
 60  72  65  63  60  60  67  83  60  71  63  60  60  60  78  60
 72  69  60  60  60  60  60  60  60  79  74  60  67  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  70  60  64  60  60  60
 60  62  60  68  67  65  66  60  69  60  63  60  62  76  77  66
 60  60  60  60  60  60  67  60  60  60  60  60  60  60  60  60
 68  69  60  60  60  62  60  70  80  60  60  60  60  60  60  60
 60  60  60  67  63  70  76  74  78  76  80  82  63  64  77  76
 72  74  75  90  98  87  87  83  81  88  89  92  81  73  74  79
 66  67  66  81  78  72  82  84  79  85  86  89  63  65  60  67
 64  60  83  79  81  77  61  63  77  86  90  86  88  79  62  85
 60  74  69  72  67  65  73  68  63  60  60  60  60  60  60  60
 61  62  60  63  62  64  66  70  74  69  63  62  73  68  85  83
 61  61  61  60  60  60  60  60  61  61  66  60  60  70  61  66
%EOF


ENTER LOG DATE (DD/MM/YR) : 10/09/79
ENTER SITE CODE (5 CHARS) : MINEO
ENTER USER CODE (4 CHARS) : 7824
 ENTER JOB CODE (3 CHARS) : 295


   DATA LOGGED :10 SEPT 1979          DATA ANALYZED : 27 SEPT 1979
        LOGGER : DB-301/26                  SITE CODE : MINEO
SERIAL NUMBER : 1221                         JOB CODE : 295
      BASELINE : 60 DB                       USER CODE : 7824
DYNAMIC RANGE : 64 DB                       THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC                  TOTAL SAMPLES =  115200
TEST DURATION =   9: 0: 0                STANDBY TIME =   0: 0:12

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                      %DOSE
HOUR    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1      65.6      65.6          .42        .42
   2      86.5      81.9         7.696      8.12
   3      85.8      83.5         7.008     15.13
   4      95.3      88.6        25.900     41.03
   5      74.3      87.2         1.425     42.45
   6      63.8      86.0          .332     42.79
   7      80.6      85.4         3.416     46.20
   8      74.2      84.6         1.399     47.60
MIN. COMP. =  60 DB            MAX. COMP. = 102 DB
ARITHMETIC MEAN =  72 DB
STD. DEVIATION =  13 DB
VARIANCE =169 DB
```

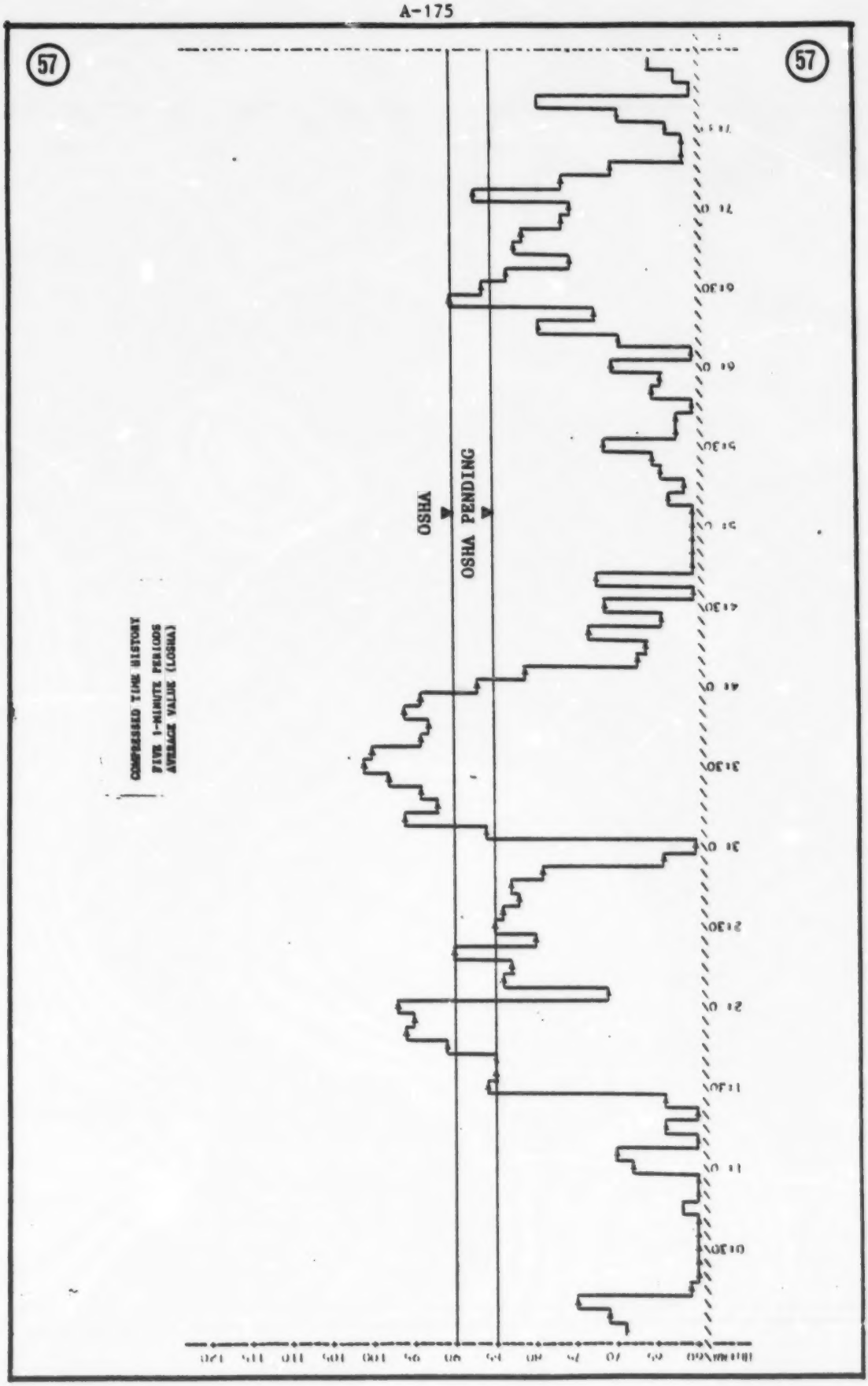
AMPLITUDE DISTRIBUTION

57 57

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
217	45.2	60 TO 64
43	9.0	65 TO 69
36	7.5	70 TO 74
27	5.6	75 TO 79
44	9.2	80 TO 84
41	8.5	85 TO 89
25	5.2	90 TO 94
34	7.1	95 TO 99
13	2.7	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




57
57
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
7:30
7 O
6:30
6 O
5:30
5 O
4:30
4 O
3:30
3 O
2:30
2 O
1:30
1 O
0:30

58

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

58

```
 1  26  80  1214   60   64    4    1
     90     115200  480
 62  61  60  60  60  64  62  61  60  63  60  61  60  60  60  71
 71  79  76  63  74  60  64  65  62  61  67  69  70  70  75  62
 65  71  76  77  75  79  82  77  75  81  72  71  68  76  79  76
 76  62  62  60  80  73  75  61  62  64  69  73  65  73  71  76
 64  63  64  63  72  64  63  72  75  79  80  75  86  79  83  86
 86  89  87  84  72  87  87  86  87  86  87  95  89  93  91  91
 91  90  87  90  90  87  88  89  90  86  87  89  87  91  87  86
 88  89  91  88  88  84  85  85  84  86  92  91  91  90  94  97
 96  97  99  99  95  79  90  89  87  86  86  89  89  88  89  90
 90  89  98  95  93  95  93  92  92  91  89  89  89  88  87  92
 89  89  92  89  89  89  99  88  85  66  76  78  78  84  80  73
 72  67  84  76  80  79  71  60  60  60  80  90  92  93  91  90
 90  90  90  88  88  90  92  90  94  94  92  91  90  88  88  88
 88  91  91  91  90  92  90  86  86  91  89  90  91  87  88  89
 88  87  87  88  90  87  89  89  89  89  85  86  94  96  89  90
 99  94  92  92  93  93  92  92  92  92  93 100  94  93  89  87
 91  90  90  93  97 100  90  88  83  87  80  91  83  71  63  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  61  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 63  60  91  92  92  93  92  95  95  86  88  92  92  97  94  93
 91  88  90  89  88  88  88  88  89  89  89  89  88  89  90  91
 90  91  92  93  94  95  98  97  93  93  93  89  89  93  97  91
 87  89  87  88  87  90  90  88  91  91  91  90  90  91  89  90
 90  90  87  88  90  88  86  76  62  71  75  62  60  60  60  60
 60  65  64  64  60  69  63  62  63  62  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  69  71  60  60  60  60  60
%EOF
```

```
ENTER LOG DATE (DD/MM/YR) : 12/09/79
ENTER SITE CODE (5 CHARS) : 00322
ENTER USER CODE (4 CHARS) : 0848
 ENTER JOB CODE (3 CHARS) : 174
```

C

```
   DATA LOGGED :12 SEPT 1979                DATA ANALYZED : 27 SEPT 1979
        LOGGER : DB-301/26                      SITE CODE : 00322
SERIAL NUMBER : 1214                             JOB CODE : 174
      BASELINE : 60 DB                          USER CODE : 0848
DYNAMIC RANGE : 64 DB                          THRESHOLD :  [illegible] DB
SAMPLING RATE :  4/SEC                     TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0                   STANDBY TIME =   [illegible]: 0:22
```

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = [illegible] DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

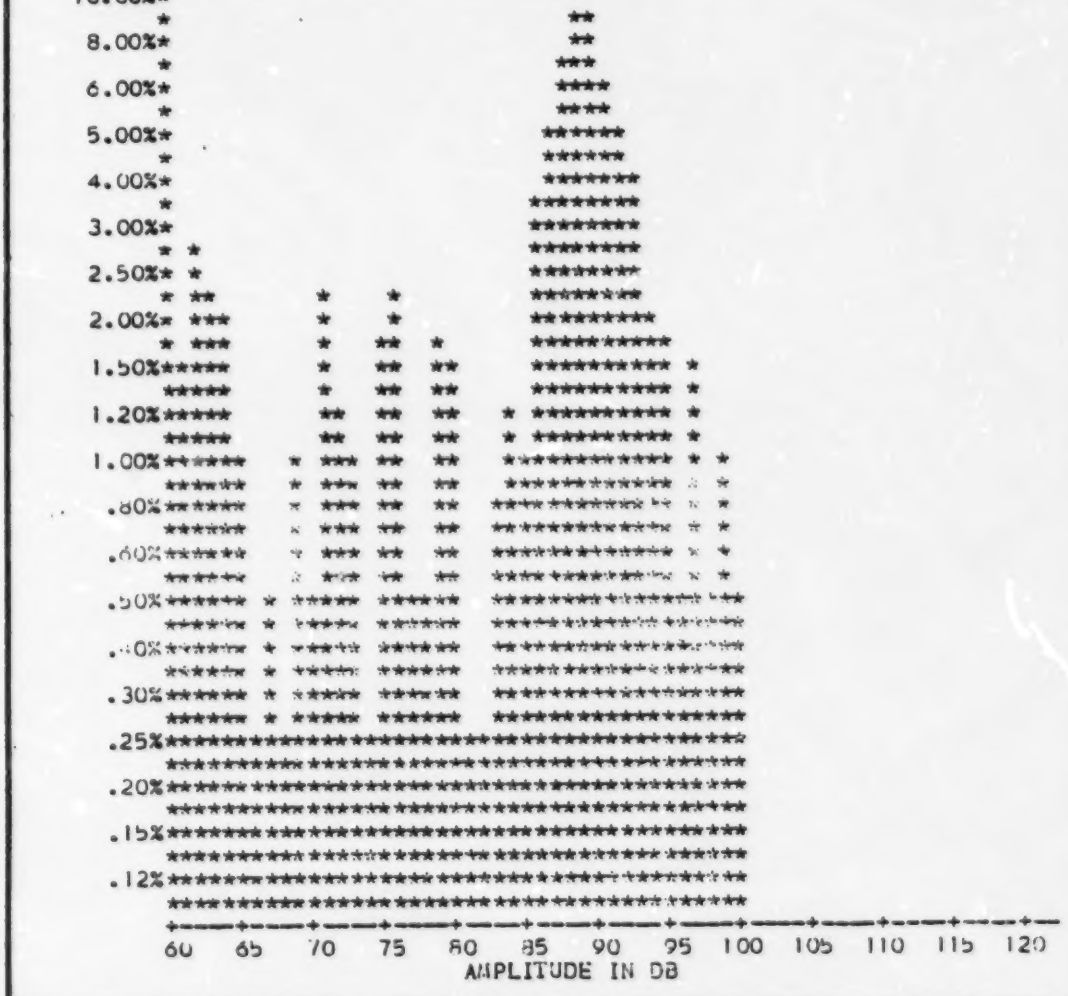
TIME	LOSHA		DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	71.5	71.5	.967	.97
2	86.2	82.1	7.375	8.34
3	90.7	86.2	13.687	22.03
4	89.3	87.1	11.282	33.31
5	87.6	87.2	8.938	42.25
6	60.0	85.9	.195	42.44
7	90.4	86.7	13.262	55.71
8	81.6	86.3	3.912	59.62

MIN. COMP. = 60 DB MAX. COMP. = 100 DB
ARITHMETIC MEAN = 77 DB
STD. DEVIATION = 14 DB
VARIANCE =196 DB

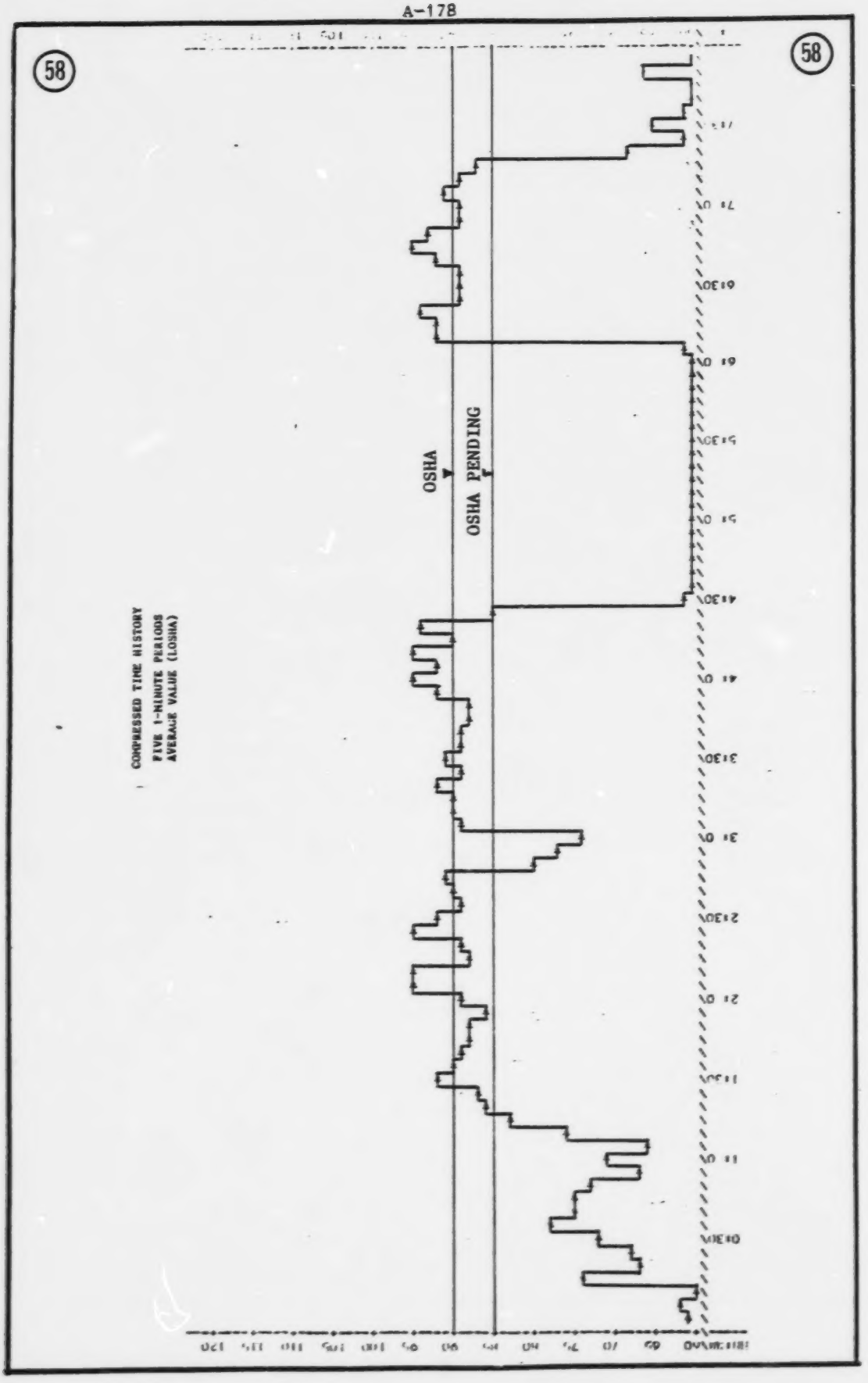
58

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
170	35.4	60 TO 64
12	2.5	65 TO 69
21	4.4	70 TO 74
27	5.6	75 TO 79
16	3.3	80 TO 84
105	21.9	85 TO 89
106	22.1	90 TO 94
21	4.4	95 TO 99
2	.4	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480.



58


58
58
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

(59)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1224    60    64     4     1
     69      115200   480
 60  60  60  60  60  60  64  68  62  60  74  73  70  62  62  70
 73  63  74  73  64  61  62  60  60  70  60  71  86  87  87  85
 85  85  85  77  69  82  85  83  83  83  83  82  81  80  81  78
 79  83  78  77  82  84  82  84  82  85  83  84  89  90  88  92
 91  89  91  92  94  93  95  93  93  97  95  95 100 102  94  96
102  95 101  97  93  95  96 100  90  88  88  91  91  89  92 100
 97  95  90  89  92 101  94  92  91  91  89  89  86  88  89  85
 88  86  88  87  84  86  89  93 101  95  98  93  94  94  97  97
 94  96  94  94  92  96  92  92  91  90  91  92  92  94 102 100
 94 100 101 102  95  95 101 101  95  95  92  94  94  92  96  89
 92  92 101 101  96  91  92  91  93  99 102 102  98  98  90  83
 85  91  92  93  92  89  92  91  93  94  94  91  97  93  92  92
 92  92  93  81  97  86  75  88  90  87  91  93  93  94  91  91
 90  89  89  88  90  89  92  90  81  93  92  90  93  94  89  88
 77  78  76  79  76  74  74  65  68  84  78  81  97  99  98  95
 91  93  92  92  93  93  96  92  94  96 101  99  99  98 100  91
 83  75  79  94  83  82  85  93  94  93  94  92  96  92  80  77
 74  77  79  78  74  77  67  74  74  74  70  83  94  96  95  92
 93  94  92  93  94  93  91  86  72  82  92  90  98 100  94 100
 97  89  79  79  82  86  76  74  74  81  80  81  80  80  80  81
 82  81  81  80  81  81  81  80  81  80  81  81  81  80  80  80
 80  81  81  80  81  80  80  80  69  83  89  94  92  90  93  94
100  81  75  77  92  94  95  89  91  93  93 100 100  96  96  96
 96  93  86  90  94 100  96  95  94  94 101  92  97  98  97 100
 95 101  96  93  97  91  69  78  94  80  75  83  82  82  73  77
 73  84  77  74  75  76  80  79  78  77  76  75  66  67  65  65
 85  85  87  87  88  80  82  86  71  72  70  71  73  65  67  75
 70  76  83  87  80  75  74  74  68  70  65  64  80  81  71  72
 61  63  63  69  63  66  68  62  63  60  62  62  61  61  60  60
 60  60  60  60  65  66  78  69  71  71  61  60  60  62  70  71
%EOF
```

(59)

```
ENTER LOG DATE (DD/MM/YR) : 25/07/79
ENTER SITE CODE (5 CHARS) : 2SHAF
ENTER USER CODE (4 CHARS) : 4136
ENTER JOB CODE (3 CHARS) : FRO
```

```
   DATA LOGGED :25 JULY 1979          DATA ANALYZED : 19 SEPT 1979
        LOGGER : DB-301/26                 SITE CODE : 2SHAF
SERIAL NUMBER : 1224                        JOB CODE : FRO
      BASELINE : 60 DB                     USER CODE : 4136
DYNAMIC RANGE : 64 DB                     THRESHOLD :  80 DB
SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0              STANDBY TIME =   0: 0:17
```

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 Db / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 Db
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

TIME	LOSHA		DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	79.0	79.0	2.723	2.72
2	93.7	89.6	20.979	23.70
3	95.9	92.4	28.381	52.08
4	90.7	92.0	13.736	65.82
5	91.5	91.9	15.457	81.28
6	88.0	91.4	9.470	90.75
7	92.0	91.5	16.392	107.15
8	73.7	90.6	1.314	108.46

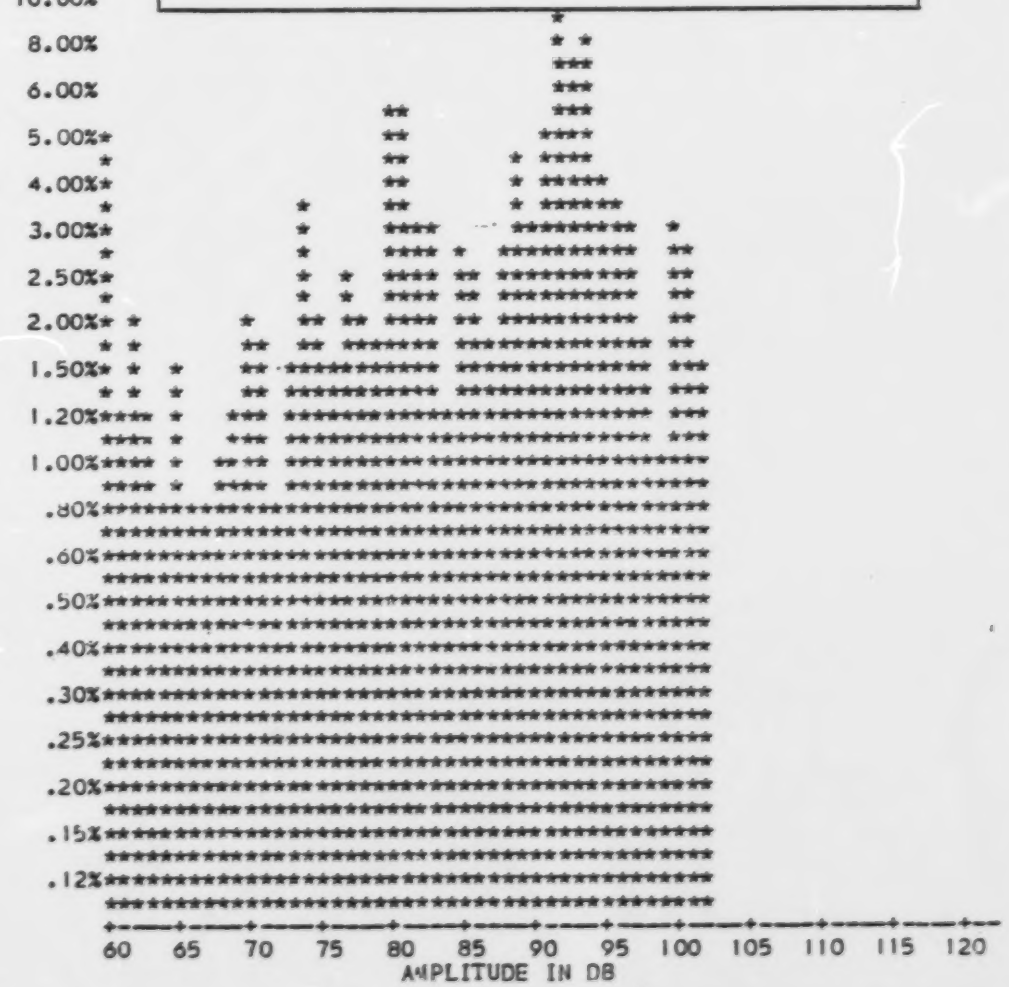
MIN. COMP. = 60 DB
ARITHMETIC MEAN = 84 DB
STD. DEVIATION = 11 DB
VARIANCE =121 DB
MAX. COMP. = 102 DB

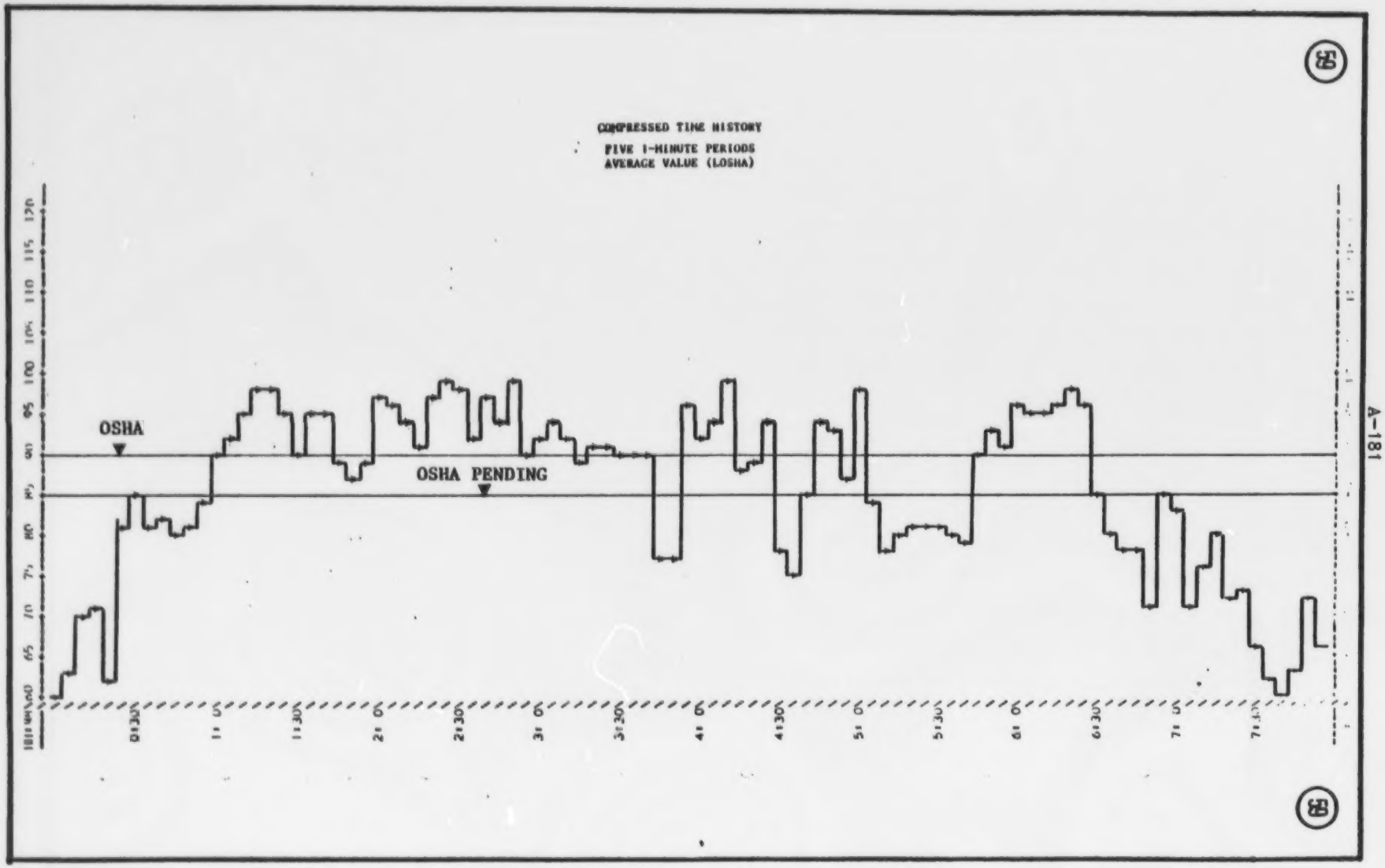
AMPLITUDE DISTRIBUTION

(59) (59)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
40	8.3	60 To 64
21	4.4	65 To 69
38	7.9	70 To 74
39	8.1	75 To 79
74	15.4	80 To 84
56	11.7	85 To 89
128	26.7	90 To 94
54	11.3	95 To 99
30	6.3	100 To 104
0	0.0	105 To 109
0	0.0	110 To 114
0	0.0	115 To 119

TOTAL NO. OF DATA POINTS = 480




COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

(60)

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

1 26 80 1225 60 64 4 1
208 115200 480

62	60	60	60	60	65	60	60	63	73	73	76	61	60	61	60
60	60	60	60	60	62	70	73	64	61	63	70	67	72	74	68
68	70	71	70	66	76	60	60	64	60	60	60	67	67	73	60
71	60	72	75	79	80	77	79	90	88	90	85	78	84	87	81
88	74	87	87	92	83	63	75	71	71	76	78	85	84	78	68
77	77	77	77	81	80	68	68	67	80	80	80	68	72	63	64
60	60	60	60	62	65	74	80	86	84	83	90	91	80	75	67
73	60	78	76	77	74	67	60	76	85	92	86	72	74	76	77
79	93	86	66	64	65	73	65	63	60	60	60	60	62	61	70
69	67	67	64	60	60	60	64	60	60	60	64	60	60	60	60
60	60	60	60	69	73	77	89	100	93	92	80	75	64	83	80
85	86	83	80	78	80	88	88	83	72	72	71	67	70	70	67
77	77	87	83	77	80	71	63	63	61	78	81	81	85	86	89
75	72	75	75	83	79	76	84	90	85	79	73	62	62	79	79
73	72	81	86	86	90	91	90	91	84	65	60	71	67	63	62
62	60	60	61	60	60	60	60	60	60	60	60	61	60	60	61
60	60	60	60	60	60	60	60	60	60	60	60	60	61	61	60
60	77	73	60	65	60	69	76	71	68	82	87	85	83	83	90
81	62	74	88	87	84	90	87	82	75	62	61	70	60	60	60
60	60	61	60	61	73	60	60	73	66	78	83	83	84	80	86
83	75	74	76	89	84	86	95	100	100	89	87	71	60	60	60
60	60	60	67	61	60	60	60	60	60	60	60	60	65	64	66
68	61	64	65	66	60	75	64	64	64	65	60	60	63	82	88
86	82	85	85	91	90	88	82	79	88	83	85	88	86	89	86
87	70	78	78	83	83	84	82	84	76	82	77	75	88	90	88
88	92	86	86	90	86	83	89	90	95	90	86	82	81	80	74
85	87	88	86	86	89	90	89	83	84	86	84	82	89	85	81
60	66	61	60	61	60	75	81	89	87	85	77	72	77	75	66
60	60	60	61	77	81	74	73	75	73	67	60	64	78	80	67
75	79	72	61	60	67	80	75	65	69	68	60	60	60	60	60

'EOF

(60)

ENTER LOG DATE (DD/MM/YR) : 11/09/79
ENTER SITE CODE (5 CHARS) : 00302
ENTER USER CODE (4 CHARS) : 7689
ENTER JOB CODE (3 CHARS) : 253

DATA LOGGED : 11 SEPT 1979
LOGGER : DB-301/26
SERIAL NUMBER : 1225
BASELINE : 60 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE : 4/SEC
TEST DURATION = 8 HRS 0 MIN

DATA ANALYZED : 27 SEPT 1979
SITE CODE : 00302
JOB CODE : 253
USER CODE : 7689
THRESHOLD : 80 DB
TOTAL SAMPLES = 115200
STARTING TIME = 08:00:02

TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
NEI = 85.0 DB FOR 8 HRS
LOGIC USED = 90 DB / 5 DBA
EQUIVALENT (8 HOUR) SOUND LEVEL = 85.0 DB
NUMBER OF COMPUTATIONS = 480
PERIOD = 1 MINUTES

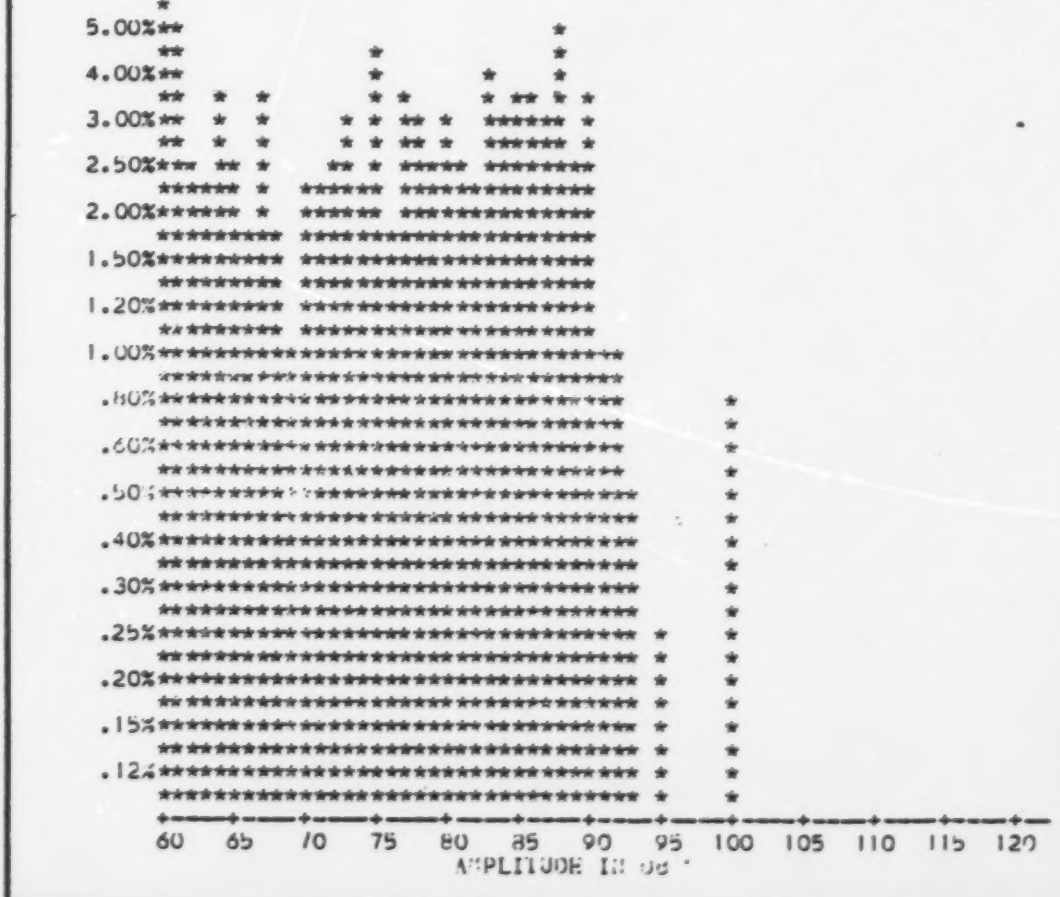
TIME PERIOD	LEVEL EXCEEDED 90% OF TIME	LEVEL EXCEEDED 50% OF TIME	PERCENT OF TIME EXPOSURE EXCEEDED	NEI
1	73.6	73.6	1.125	1.33
2	80.8	78.1	3.480	4.81
3	81.1	79.3	3.662	8.47
4	81.0	79.9	3.916	12.36
5	79.2	79.1	1.842	14.22
6	81.2	79.7	3.665	17.89
7	85.0	80.7	6.234	24.13
8	79.9	80.2	2.674	26.40

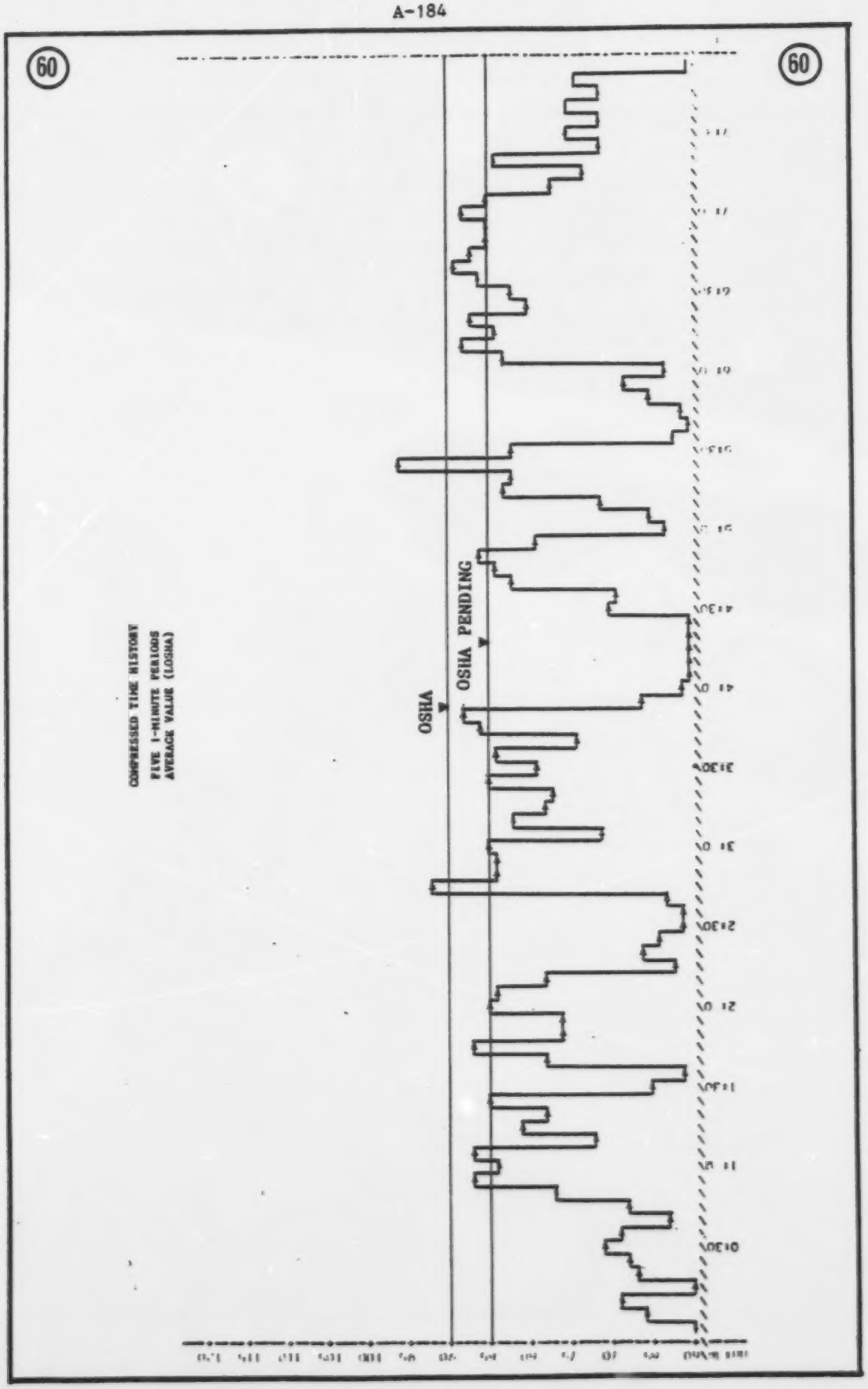
MIN. CODE = 60 DB
ARITHMETIC MEAN = 72 DB
STD. DEVIATION = 11 DB
VARIANCE = 121 DB
MAX. CODE = 100 DB

AMPLITUDE DISTRIBUTION

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
166	34.6	60 To 64
43	9.0	65 To 69
50	10.4	70 To 74
61	12.7	75 To 79
60	12.5	80 To 84
71	14.8	85 To 89
25	5.2	90 To 94
1	.2	95 To 99
3	.6	100 To 104
0	0.0	105 To 109
0	0.0	110 To 114
0	0.0	115 To 119

TOTAL NO. OF DATA POINTS = 480




60
60
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
01:30
11
11:30
21
21:30
31
31:30
41
41:30

(61)

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1214    60    64     4     1
     101     115200   480
 63  60  65  62  63  62  63  60  60  70  73  67  66  74  67  72
 62  60  62  66  74  72  67  78  77  80  78  70  61  61  65  62
 61  75  76  81  83  88  91  80  87  68  70  80  82  71  66  87
 81  82  81  81  69  89  78  82  79  70  86  96  88  82  88  76
 78  80  79  75  80  88  86  87  98  91  75  75  82  83  79  84
 94  92  84  83  82  84  85  84  81  73  80  78  76  84  80  80
 86 100  92  77  87  80  92  82  71  79  69  85  87  85  86  83
 82  79  74  70  79  84  87  89  90  77  88  85  84  85  83  82
 83  81  83  82  82  87  88  91  93  85  86  90  87  81  78  77
 70  71  70  64  74  80  77  70  74  72  65  63  68  66  67  74
 64  64  60  73  68  72  69  72  80  80  87  76  83  83  85  91
 88  88  75  77  66  87  77  76  83  89  98  94  96  92  84  79
 83  96  79  77  88  80  87  88  80  81  68  83  93  75  79  71
 60  84  96  84  82  75  82  83  77  73  81  88  88  86  85  86
 88  85  85  89  85  79  80  77  82  80  79  81  88  78  80  81
 86  85  96 100  97  90  72  71  77  87  72  85  82 101  90 105
 81  78  79  72  79  82  81  82  92  92  72  98  88  96  74  71
 72  64  74  79  84  76  88  89  90  94  78  85  81  81  79  78
 71  79  81  61  66  61  60  61  60  61  60  60  60  60  60  60
 60  61  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  64  62  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  70  82  78  82
 84  82  84  93  84  82  82  80  88  87  97  90  91  94  90  77
 86  90  89  88  87  92  89  83  86  84  87  81  87  82  82  86
 87  88  96  81  77  93  86  88  85  79  83  83  81  84  85 100
 98  92  83  91  85  85  81  82  82  88  86  88  99  93  92  91
 89  88  88  89  87  90  90  88  92  84  90  86  91  93  96 102
 84  80  84  84  80  89  82  67  73  75  84  75  70  79  84  69
 74  67  71  68  67  67  60  60  72  68  79  64  65  79  76  83
 80  74  76  63  64  72  72  70  64  66  76  79  78  70  67  64
%EOF
```

(61)

```
ENTER LOG DATE (DD/MM/YR) : 16/08/79
ENTER SITE CODE (5 CHARS) : 00000
ENTER USER CODE (4 CHARS) : 0790
 ENTER JOB CODE (3 CHARS) : CAT
```

```
   DATA LOGGED :16  AUG 1979          DATA ANALYZED : 21 SEPT 1979
      LOGGER : DB-301/26                 SITE CODE : 00000
SERIAL NUMBER : 1214                      JOB CODE : CAT
    BASELINE : 60 DB                     USER CODE : 0790
DYNAMIC RANGE : 64 DB                     THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC               TOTAL SAMPLES =  115200
TEST DURATION =   8: 0: 0             STANDBY TIME =   0: 0:25
```

TIME HISTORY ANALYSIS

```
NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

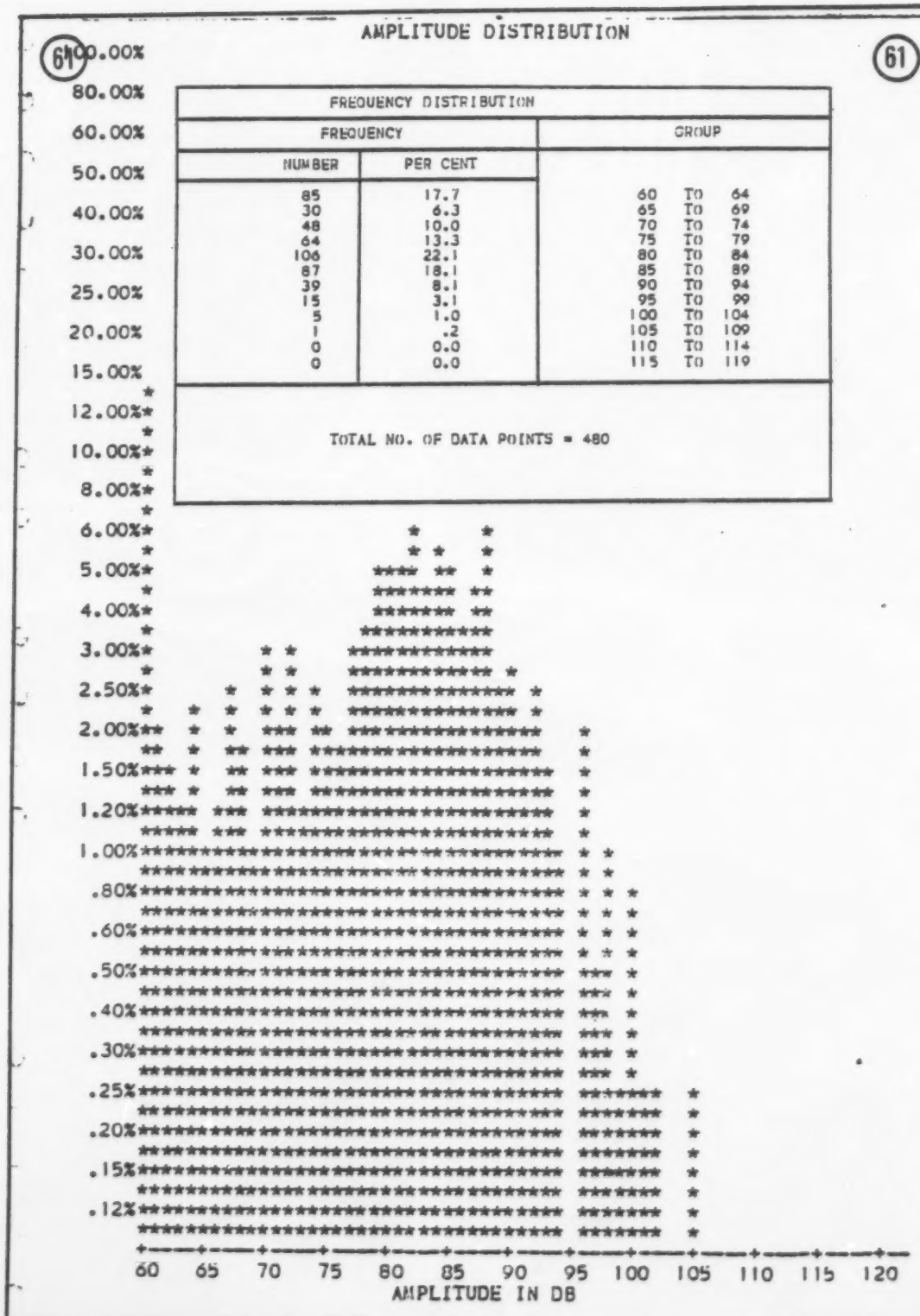
TIME	LOGIA		DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	79.2	79.2	2.308	2.31
2	85.6	83.1	6.838	9.65
3	82.5	82.9	4.390	14.04
4	85.9	83.8	7.106	21.14
5	87.9	84.8	9.294	30.44
6	73.1	83.8	1.196	31.63
7	89.2	84.8	11.197	42.83
8	83.6	84.7	5.133	47.96

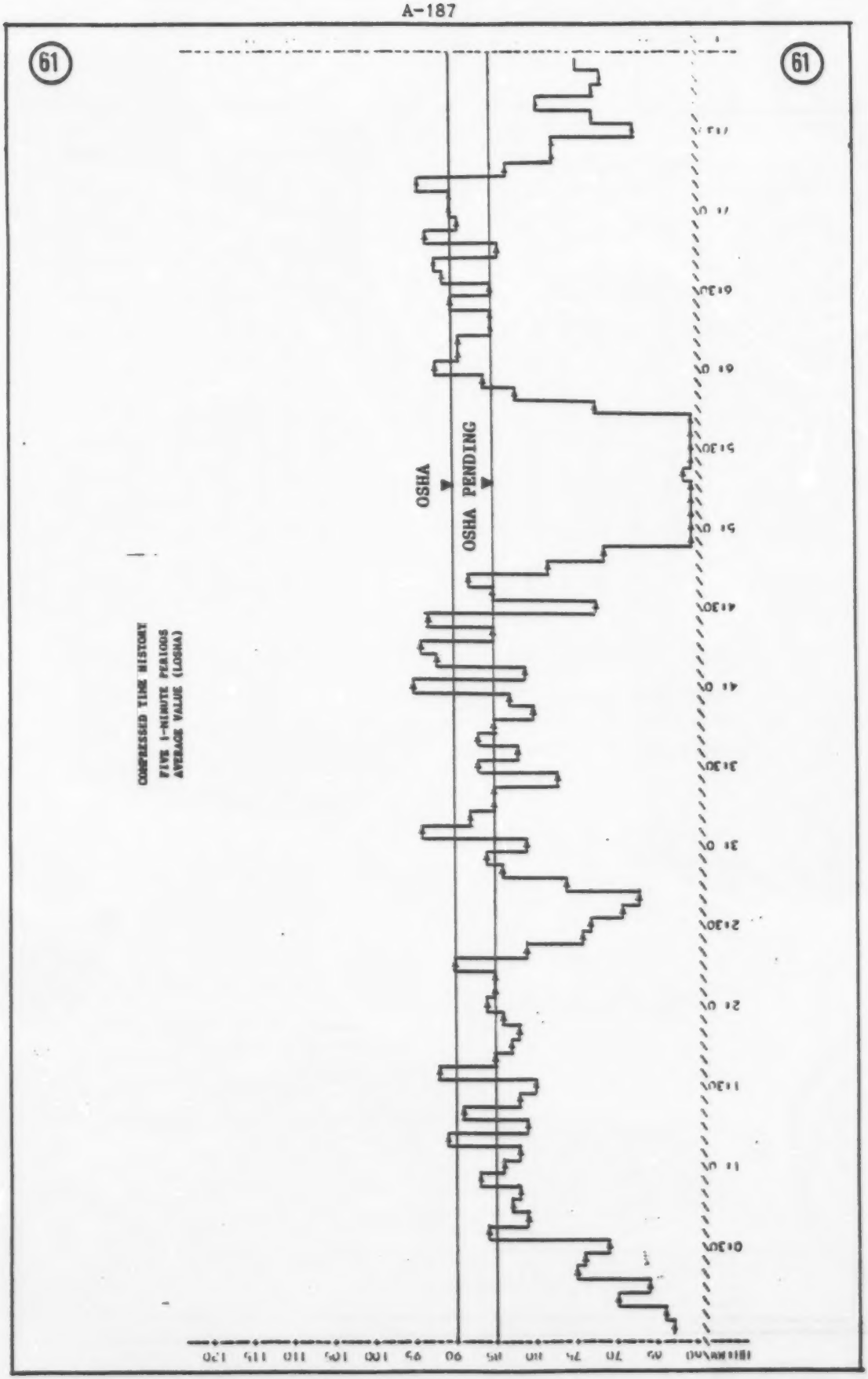
```
MIN. COMP. =  60 DB          MAX. COMP. = 105 DB
ARITHMETIC MEAN =  78 DB
STD. DEVIATION =  11 DB
VARIANCE =121 DB
```

AMPLITUDE DISTRIBUTION

(61) (61)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
85	17.7	60 TO 64
30	6.3	65 TO 69
48	10.0	70 TO 74
64	13.3	75 TO 79
106	22.1	80 TO 84
87	18.1	85 TO 89
39	8.1	90 TO 94
15	3.1	95 TO 99
5	1.0	100 TO 104
1	.2	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119
TOTAL NO. OF DATA POINTS = 480		




61
61
OSHA
OSHA PENDING
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
01:30
11
11:30
21
21:30
31
31:30
41
41:30
51
51:30
61
61:30
70
75
80
85
90
95
100
105
110
115
120

(62)

PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

(62)

```
  1  26  80  1213   60   64    4    1
     160     115200  480
 64  71  60  65  79  60  60  60  67  66  67  69  75  84  78  60
 60  60  66  71  62  73  68  79  76  74  68  71  79  84  74  60
 62  62  60  60  60  60  74  67  73  70  71  72  60  64  60  64
 75  72  77  76  80  84  75  62  60  60  60  60  60  76  68  65
 80  76  75  76  87  76  70  69  77  81  81  60  60  63  77  71
 72  67  71  72  80  91  81  70  70  62  69  60  64  72  60  60
 60  60  62  73  72  73  70  64  77  66  74  76  68  60  64  63
 91  93  90  84  87  92  82  68  60  86  90  84  68  66  64  73
 89  90  85  85  89  87  88  89  90  87  88  86  88  78  83  69
 74  69  77  73  79  64  61  62  62  60  60  74  63  77  60  64
 61  60  61  60  61  60  60  60  60  61  60  60  60  60  62  67
 82  60  61  60  60  62  74  72  79  82  71  77  84  88  87  88
 85  89  91  88  81  83  86  86  74  60  77  73  66  78  87  75
 70  82  64  67  66  68  78  80  85  88  77  73  60  64  72  61
 64  83  75  80  85  70  85  86  75  71  80  92  81  61  63  60
 60  62  66  72  83  75  83  84  77  70  74  68  73  60  72  67
 67  60  61  61  65  66  64  60  63  63  62  62  69  60  60  60
 60  60  60  62  60  60  60  60  60  60  61  60  60  60  60  60
 60  60  60  60  60  61  60  61  60  65  60  60  65  60  60  60
 61  60  60  60  63  60  60  60  60  60  61  61  60  60  60  60
 60  61  65  60  60  60  60  62  72  75  70  76  66  64  78  68
 63  60  60  62  60  85  91  90  89  93  87  89  85  89  85  93
 95  95  91  90  86  80  75  76  78  80  86  75  78  70  83  93
 96  94  94  99  96  90 100  94  94  87  79  75  84  76  78  70
 67  72  60  69  86  83  87  79  78  88  86  82  84  82  83  90
 90  89  89  90  90  89  87  91  80  85  84  85  88  86  84  68
 73  62  60  78  80  78  66  60  61  60  61  67  60  60  60  60
 62  65  77  79  85  86  79  77  67  70  63  61  60  60  64  60
 60  72  69  60  60  60  60  60  60  60  60  60  60  61  60  60
 62  60  60  69  70  60  60  60  68  77  68  67  64  63  60  62
%EOF
```

```
ENTER LOG DATE (DD/MM/YR) : 27/08/79
ENTER SITE CODE (5 CHARS) : ISHAF
ENTER USER CODE (4 CHARS) : 4412

 ENTER JOB CODE (3 CHARS) : 253
```

```
   DATA LOGGED :27  AUG 1979          DATA ANALYZED : 25 SEPT 1979
        LOGGER : DB-301/26                 SITE CODE : ISHAF
 SERIAL NUMBER : 1213                       JOB CODE : 253
      BASELINE : 60 DB                     USER CODE : 4412
 DYNAMIC RANGE : 64 DB                     THRESHOLD : 80 DB
 SAMPLING RATE :  4/SEC             TOTAL SAMPLES =  115200
 TEST DURATION =   8: 0: 0           STANDBY TIME =   0: 0:40
```

TIME HISTORY ANALYSIS

```
NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

TIME	OSHA		DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	72.2	72.2	1.059	1.06
2	79.1	76.4	2.740	3.80
3	79.6	77.7	2.974	6.77
4	81.3	78.7	3.719	10.49
5	68.3	77.5	.614	11.11
6	81.5	78.4	3.852	14.96
7	87.5	80.6	8.838	23.79
8	69.9	79.9	.775	24.57

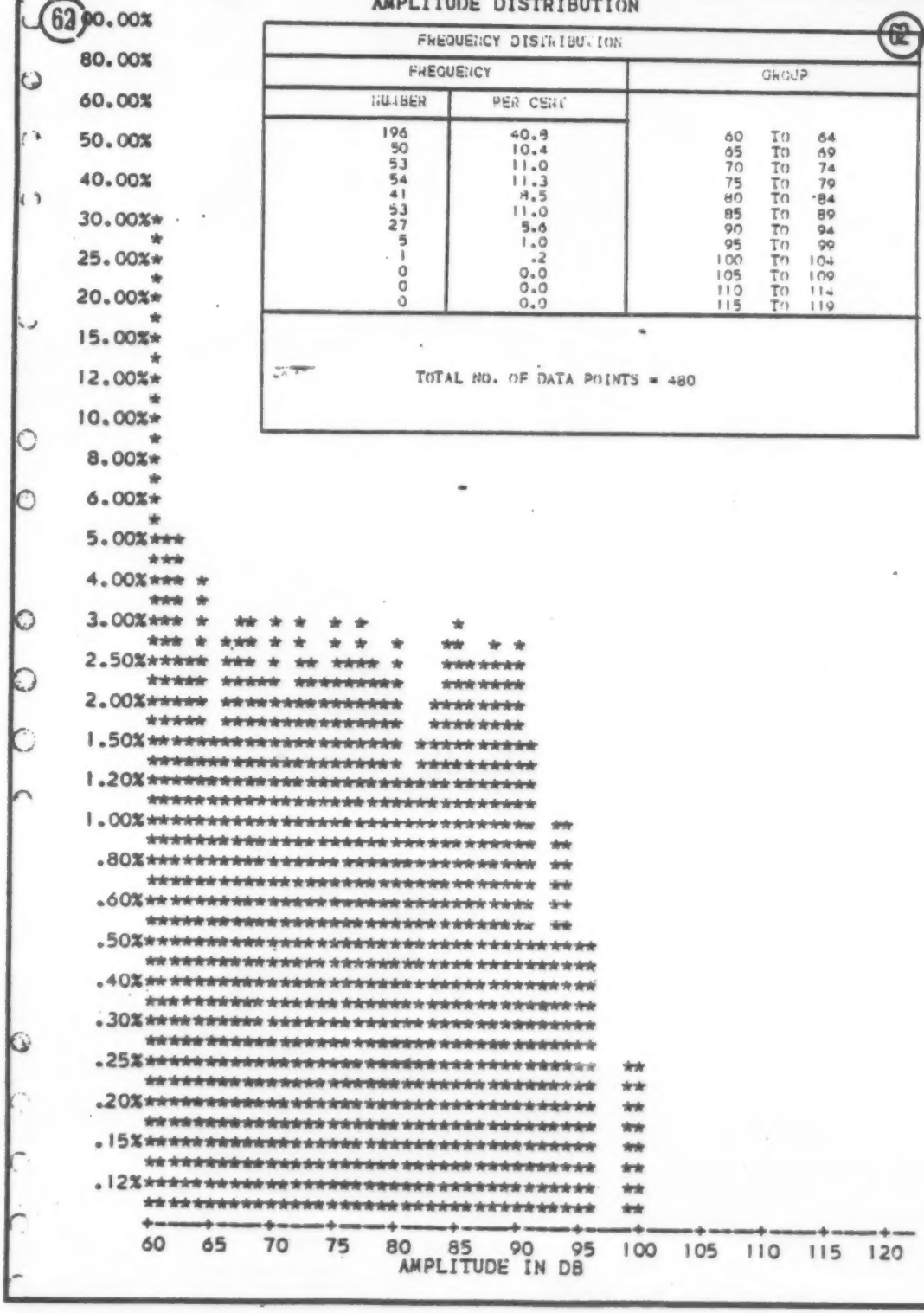
```
MIN. COMP. =  60 DB                MAX. COMP. = 100 DB
ARITHMETIC MEAN =  71 DB
STD. DEVIATION =  11 DB
VARIANCE =121 DB
```

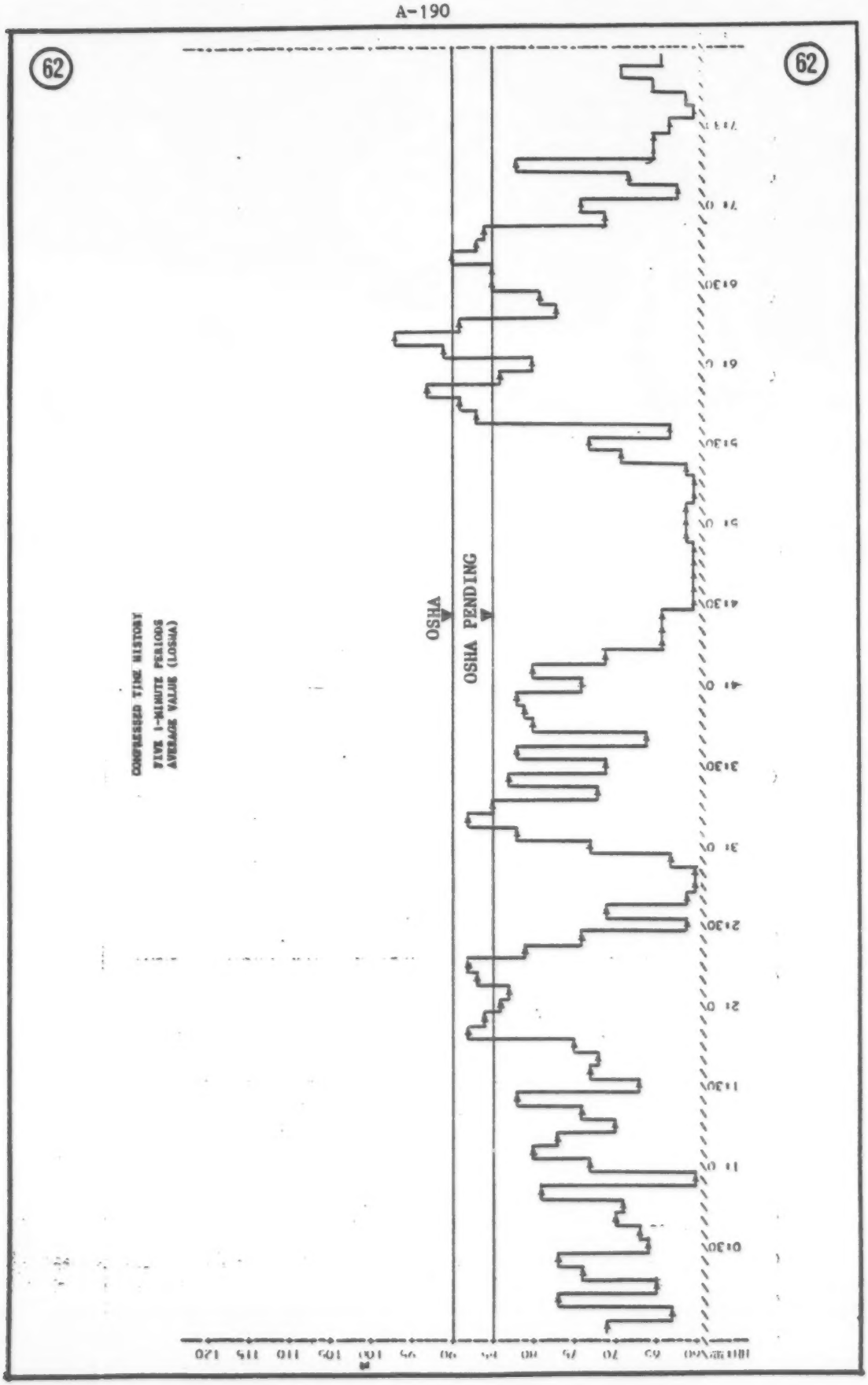
AMPLITUDE DISTRIBUTION

FREQUENCY DISTRIBUTION

FREQUENCY		GROUP
NUMBER	PER CENT	
196	40.8	60 To 64
50	10.4	65 To 69
53	11.0	70 To 74
54	11.3	75 To 79
41	8.5	80 To 84
53	11.0	85 To 89
27	5.6	90 To 94
5	1.0	95 To 99
1	.2	100 To 104
0	0.0	105 To 109
0	0.0	110 To 114
0	0.0	115 To 119

TOTAL NO. OF DATA POINTS = 480




62
62
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
7:30
7:00
6:30
6:00
5:30
5:00
4:30
4:00
3:30
3:00
2:30
2:00
1:30
1:00
0:30
120
115
110
105
100
95
90
85
80
75
70
65

63

```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1220    60    64     4     1
     284     115200  480
 60  60  60  60  60  60  63  63  66  62  60  76  70  60  60  60
 63  68  62  63  66  60  60  60  84  67  61  60  63  63  60  60
 60  66  60  73  68  67  62  68  63  67  74  80  78  88  79  92
 70  71  65  79  76  71  87  80  56  60  60  60  60  61  60  60
 60  60  60  74  61  69  84  85  87  86  75  85  76  89  85  89
 61  74  70  60  62  60  60  60  60  60  60  60  60  62  61  60
 74  68  78  66  74  72  60  61  60  68  78  80  77  88  97  84
 67  60  60  73  69  75  78  77  83  73  75  89  86  86  81  73
 60  67  73  73  60  90  93  72  60  60  60  60  60  64  90  88
 61  85  60  60  60  60  60  61  60  62  60  78  91  74  67  72
 86  74  72  86  74  72  81  86  63  71  84  88  79  60  78  77
 86  75  84  85  66  84  84  86  83  82  69  67  83  61  85  82
 75  86  60  75  77  60  81  77  83  81  91  90  75  86  85  83
 86  83  83  83  86  80  81  72  77  76  79  82  71  78  79  76
 82  80  78  82  62  60  72  82  80  74  70  71  73  68  68  87
 77  86  88  86  88  65  70  67  81  88  62  80  77  86  95  82
 60  60  82  87  82  60  63  87  91  83  86  80  84  80  83  60
 60  86  60  82  81  68  80  82  88  87  87  87  87  87  86  83
 82  83  82  83  91  81  89  85  88  86  80  85  79  75  78  90
 69  90  78  60  60  60  60  60  60  60  73  82  81  81  71  60
 60  60  60  60  77  77  91  92  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
 60  60  60  60  60  60  60  60  60  60  60  60  60  85  93  83
 60  62  60  61  60  69  87  80  86  83  64  83  79  72  75  73
 85  78  62  75  70  60  68  85  79  80  71  83  79  77  66  64
 60  60  76  90  88  66  81  83  85  83  76  60  60  60  60  83
%EOF
```

63

```
ENTER LOG DATE (DD/MM/YR) : 25/07/79.
ENTER SITE CODE (5 CHARS) : 2SHAF

ENTER USER CODE (4 CHARS) : 2829
 ENTER JOB CODE (3 CHARS) : CTE
```

```
   DATA LOGGED :25 JULY 1979          DATA ANALYZED : 19 SEPT 1979
        LOGGER : DB-301/26                 SITE CODE : 2SHAF
 SERIAL NUMBER : 1220                       JOB CODE : CTE
      BASELINE : 60 DB                     USER CODE : 2829
 DYNAMIC RANGE : 84 DB                     THRESHOLD : 80 Db
 SAMPLING RATE :  4/SEC                TOTAL SAMPLES =  115200
 TEST DURATION =    : 0                 STANDBY TIME =   0: 1:11
```

TIME HISTORY ANALYSIS

```
NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 Db / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 Db
THRESHOLD (CUTOFF) LEVEL = 80 Db
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES
```

TIME	OSHA		%DOSE	
HOUR	CURRENT	CUMULATIVE	CURRENT	CUMULATIVE
1	74.2	74.2	1.396	1.40
2	77.6	76.1	2.255	3.65
3	80.4	77.9	3.312	6.96
4	80.8	78.7	3.479	10.44
5	84.1	80.2	5.514	15.96
6	74.8	79.5	1.528	17.48
7	60.0	78.5	.195	17.68
8	78.6	78.5	2.581	20.26

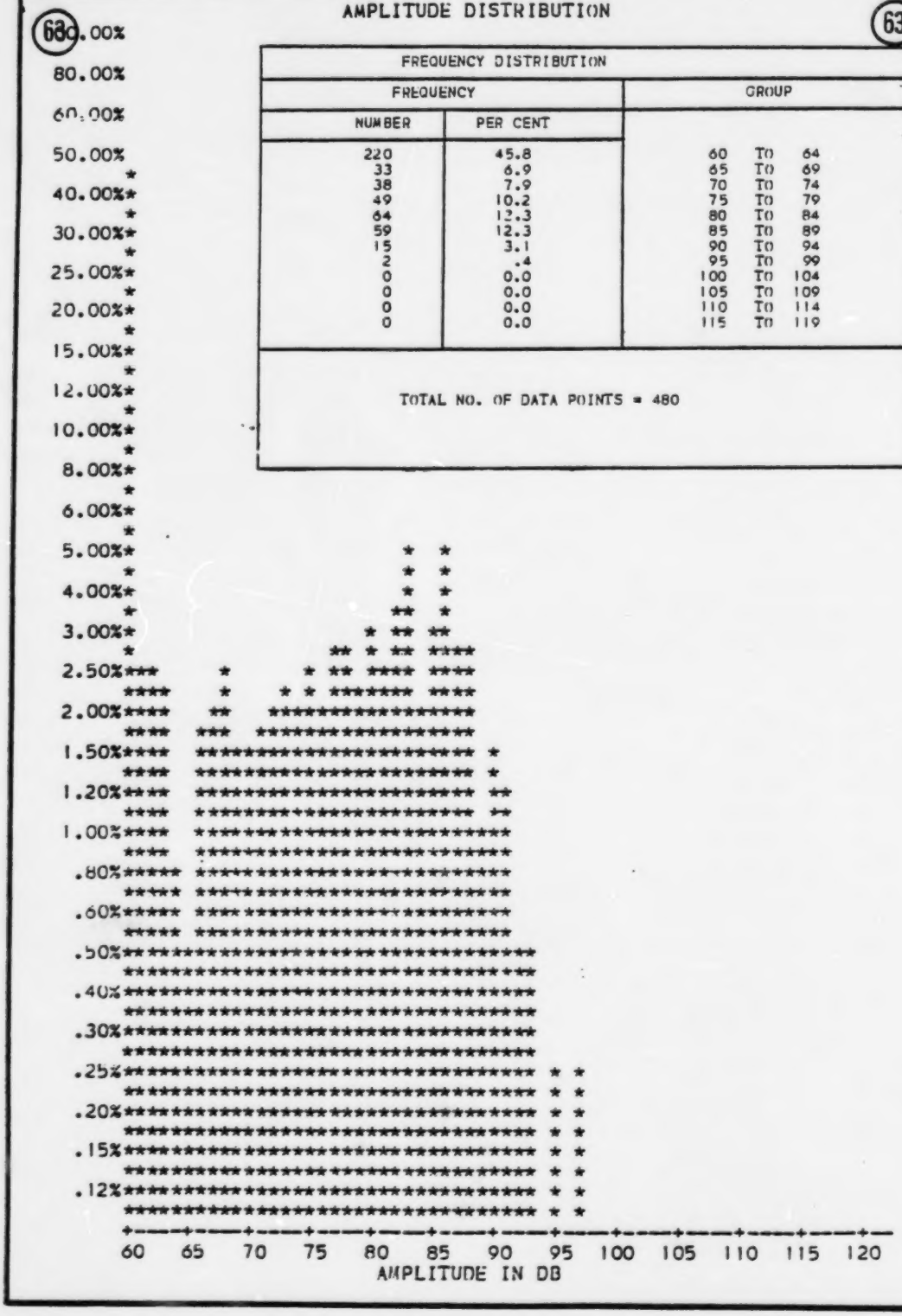
```
MIN. COMP. =  60 DB                MAX. COMP. =  97 DB
ARITHMETIC MEAN =  70 DB
STD. DEVIATION =  11 DB
VARIANCE =121 DB
```

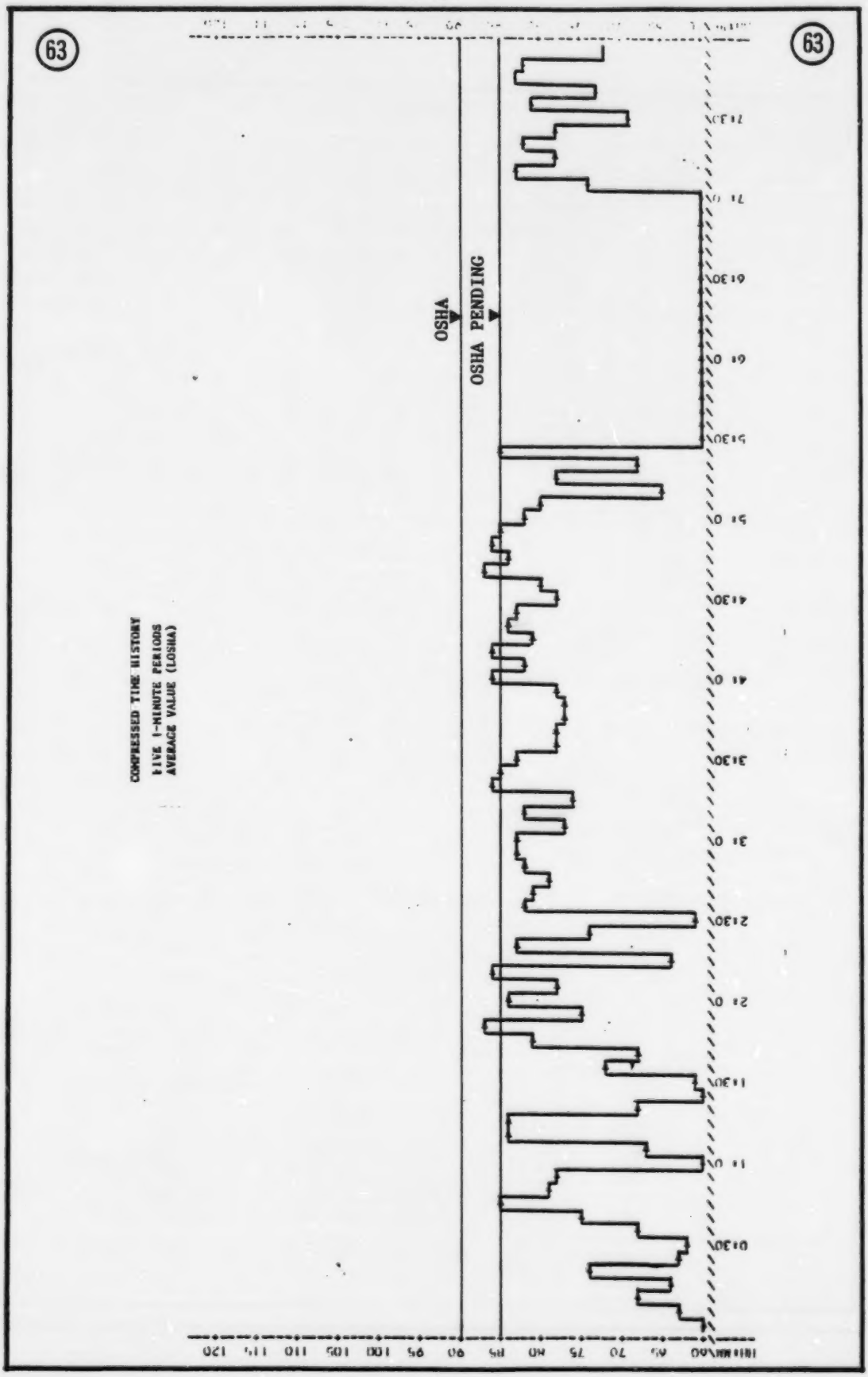
AMPLITUDE DISTRIBUTION

63

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
220	45.8	60 TO 64
33	6.9	65 TO 69
38	7.9	70 TO 74
49	10.2	75 TO 79
64	13.3	80 TO 84
59	12.3	85 TO 89
15	3.1	90 TO 94
2	.4	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




63
63
OSHA
OSHA PENDING
COMPRESSED TIME HISTORY
LIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
21:30
21:00
61:30
61:00
51:30
51:00
41:30
41:00
31:30
31:00
21:30
21:00
11:30
11:00
01:30
60 65 70 75 80 85 90 95 100 105 110 115 120

64 64

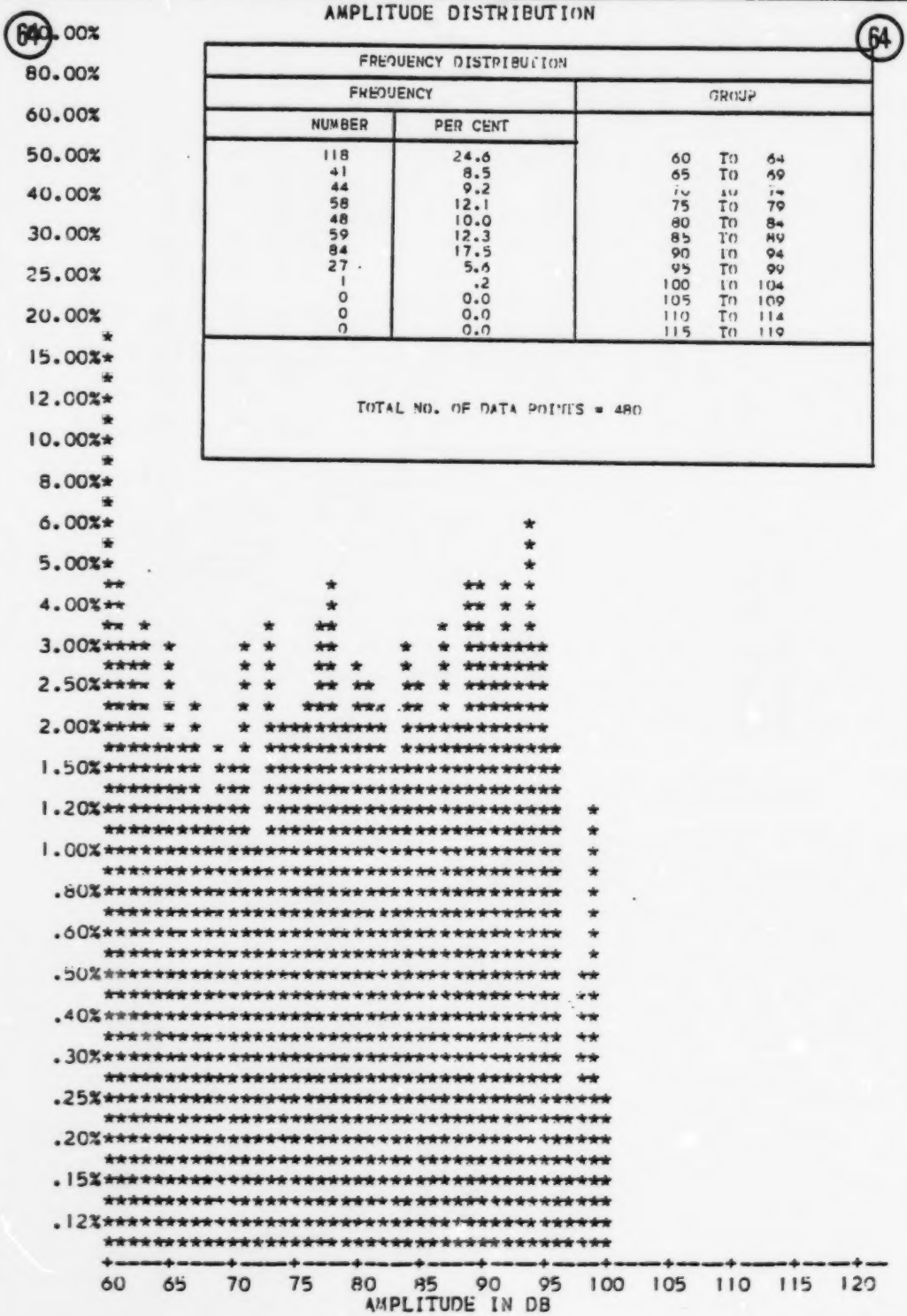
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'

  1  26  80  1220   60   64    4    1
     106     115200  480
  62  60  60  60  60  60  62  61  61  65  66  74  73  60  62  67
  74  77  65  61  61  60  60  71  63  69  72  70  78  67  63  67
  63  63  73  69  69  67  71  73  68  80  80  78  78  67  82  80
  87  78  60  76  78  67  85  78  60  72  74  64  67  67  62  60
  60  65  68  66  60  60  73  71  77  65  73  77  63  62  62  89
  65  63  85  65  74  74  83  79  74  71  84  84  78  81  76  78
  68  61  60  76  78  63  80  84  89  86  73  71  70  76  77  92
  94  86  91  94  85  87  86  95  97  93  95  98  94  92  94  96
  95  94  94  93  94  94  94  90  90  85  61  70  89  89  80  86
  73  63  60  60  72  64  81  79  73  85  71  66  71  61  68  66
  75  60  77  70  61  61  69  72  64  64  71  82  93  91  94  94
  94  87  91  83  95  92  89  94  95  92  94  94  93  90  91  92
  91  94  93  87  90  92  96  90  90  60  60  61  60  70  60  79
  69  60  62  62  60  61  65  60  76  78  87  96  94  92  82  92
  90  90  71  84  75  60  84  92  93  92  98 100  99  99  99  99
  99  95  79  75  66  85  83  86  81  84  79  65  60  60  60  63
  63  76  62  63  60  61  60  64  60  60  81  61  60  60  69  64
  62  61  60  60  61  61  60  60  62  74  73  81  60  60  73  66
  79  89  93  93  93  92  91  91  89  92  87  95  87  94  87  73
  80  65  77  87  96  96  96  86  87  78  78  79  81  82  60  71
  75  68  80  64  63  80  60  77  73  62  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  63  60  75  78  80  91  89  90
  90  91  82  84  80  85  95  86  89  90  94  90  90  90  89  89
  94  90  88  89  73  73  88  88  78  82  76  69  94  77  78  77
  81  78  78  74  84  84  84  81  77  89  91  83  86  90  77  95
  90  91  88  87  88  79  87  89  87  88  89  88  82  71  63  77
  75  82  95  94  94  95  92  95  94  89  89  91  94  91  96  93
  88  93  85  92  92  77  93  83  81  70  92  93  85  87  87  84
  77  65  92  89  75  76  77  82  80  76  71  60  75  85  81  65
  67  65  60  60  66  65  78  83  61  60  60  60  60  60  60  60
%EOF


ENTER LOG DATE (DD/MM/YR) : 10/09/79
ENTER SITE CODE (5 CHARS) : 00303

ENTER USER CODE (4 CHARS) : 4709
 ENTER JOB CODE (3 CHARS) : 253


   DATA LOGGED :10 SEPT 1979          DATA ANALYZED : 27 SEPT 1979
        LOGGER : DB-301/26                  SITE CODE : 00303
SERIAL NUMBER : 1220                         JOB CODE : 253
      BASELINE : 60 DB                       USER CODE : 4709
DYNAMIC RANGE : 64 DB                       THRESHOLD : [illegible]
SAMPLING RATE :  4/SEC                  TOTAL SAMPLES =  115200
TEST DURATION =   [illegible]                STANDBY TIME =   [illegible]

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = [illegible] DB / [illegible] HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = [illegible] DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                        DOSE
HOUR    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
   1      72.9      72.9          1.174      1.17
   2      81.5      78.4          3.847      5.02
   3      88.1      83.2          9.659     14.68
   4      90.7      85.9         13.781     28.46
   5      83.4      85.5          5.001     33.46
   6      83.6      85.2          5.164     38.63
   7      86.8      85.5          8.057     46.68
   8      86.5      85.6          7.656     54.34
MIN. COMP. =  60 DB              MAX. COMP. = 100 DB
ARITHMETIC MEAN =  77 DB
STD. DEVIATION =  12 DB
VARIANCE =144 DB
```

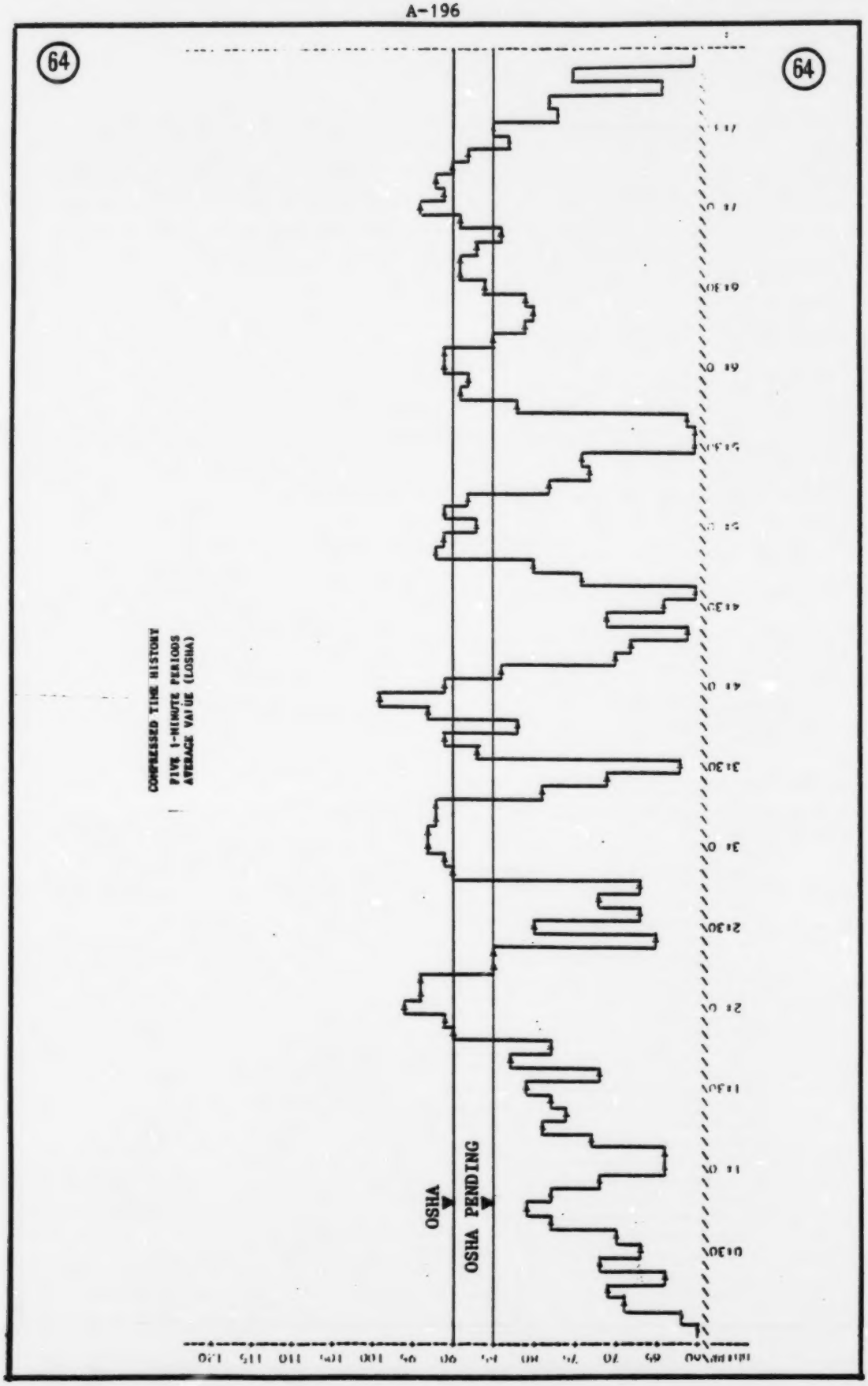
AMPLITUDE DISTRIBUTION

64

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
118	24.6	60 TO 64
41	8.5	65 TO 69
44	9.2	70 TO 74
58	12.1	75 TO 79
48	10.0	80 TO 84
59	12.3	85 TO 89
84	17.5	90 TO 94
27	5.6	95 TO 99
1	.2	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




64
64
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING

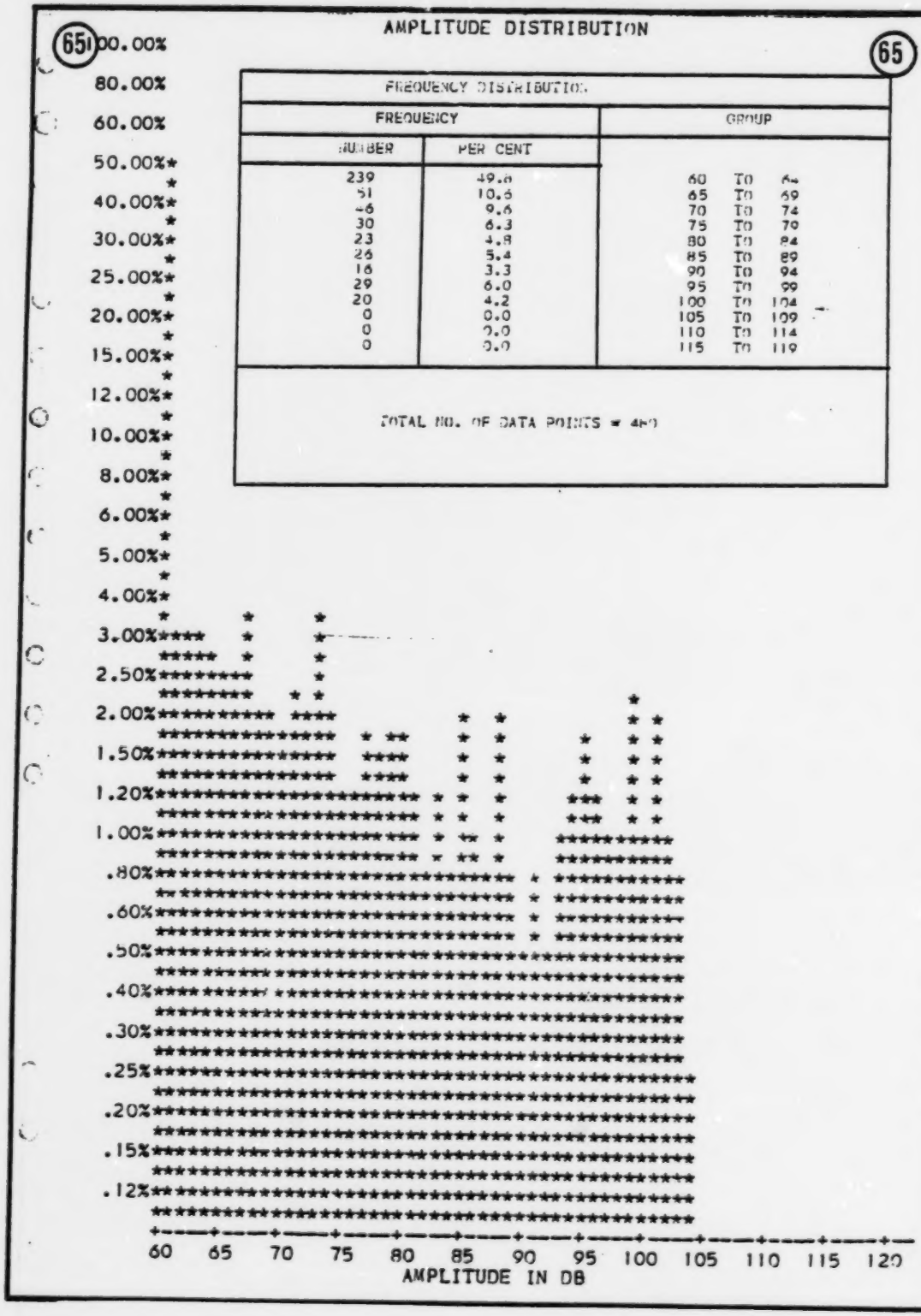
(65) (65)

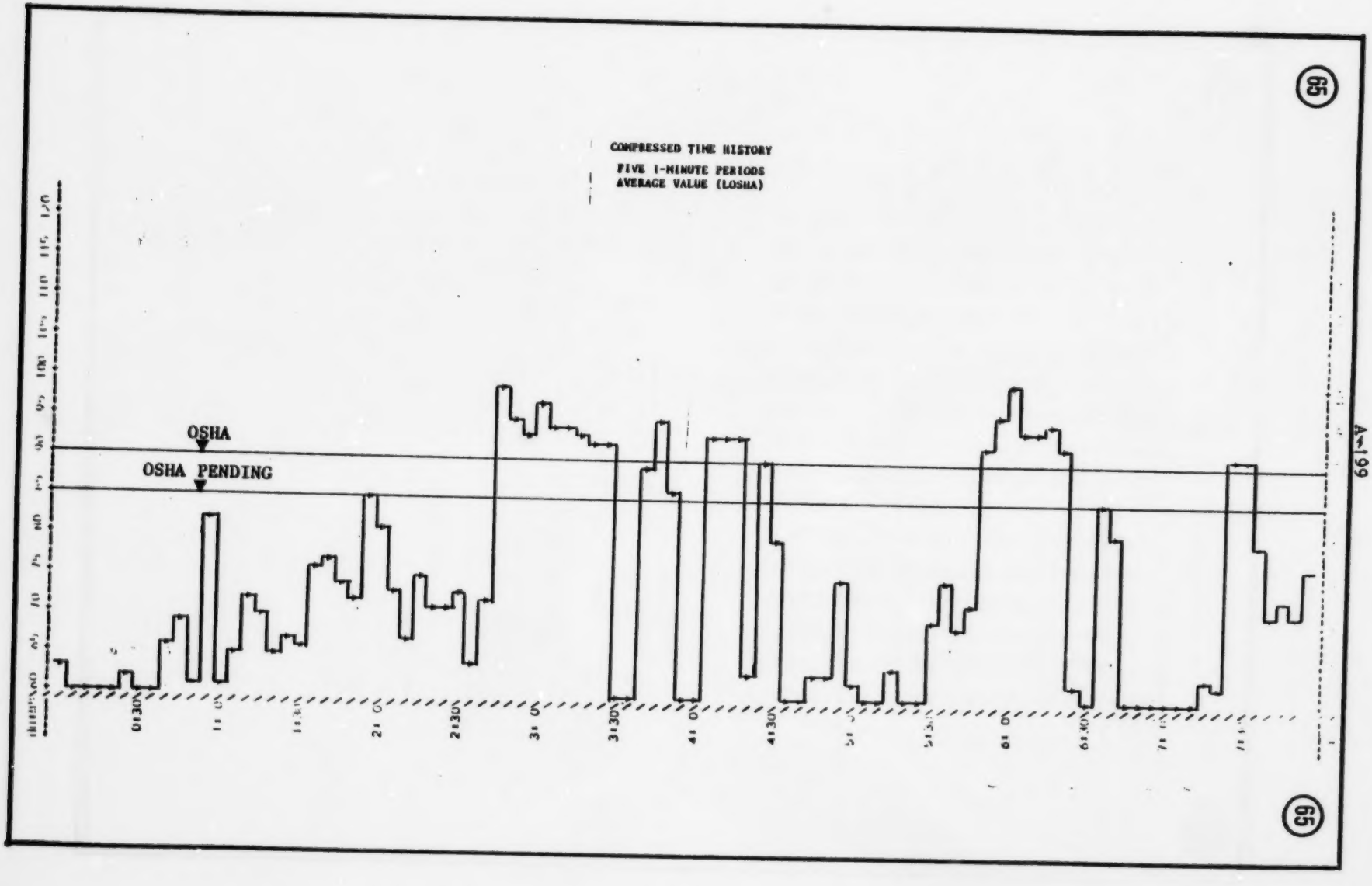
```
PLACE TAPE IN READER THEN TYPE A 'SPACE' AND A 'RETURN'
  1  26  80  1213   60   64    4    1
     94     115200  480
  62  65  66  60  60  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60  60  60  60  60  66  60  60  60  60
  60  60  60  60  60  60  60  60  61  60  60  60  75  72  61  74
  65  60  61  60  60  62  60  83  79  79  86  78  60  60  64  60
  60  65  68  67  60  64  71  79  69  64  65  74  65  73  66  67
  68  64  62  66  60  67  62  64  61  73  65  60  60  63  73  73
  82  65  66  78  73  75  80  79  76  62  63  83  64  74  71  67
  63  80  61  84  69  65  72  94  92  64  62  63  71  76  72  78
  67  67  72  66  60  67  67  70  64  60  81  80  64  73  73  73
  70  62  63  62  73  78  69  76  74  63  73  68  60  61  65  62
  70  71  74  68  76  73 101 104  80 102  83  99  77  88 101  80
  99  60 100  67 101  60  99  71 102  65  97  88 101  85  95  88
  95  96  91  92  90  99  84  93  89  99  83  94  86  99  74  98
  63  60  60  60  60  60  60  60  60  60  60  60  61  60  60 100
  85  87  97  88  91 102  97  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  60  60 103  60  95  60 101  60  96  77 101
  60  94  82  88  69  60  60  60  61  63  63  60  94  98  87  60
  85  60  60  60  60  60  60  60  60  60  61  61  60  60  69  60
  60  60  60  60  69  60  60  72  81  79  60  60  60  60  60  62
  66  62  60  60  60  60  60  60  60  60  60  60  61  71  60  60
  60  60  60  60  60  60  60  60  60  60  64  69  60  71  75  73
  70  74  72  81  73  67  70  68  67  77  67  72  73  68  76  75
  79 101  94  97  99  63  93 100 100 103  95  86 103  74  93  85
  89 102  91  88  98  99  88  90  93 101  85  95  88  99  84  96
  60  68  60  60  60  60  60  60  60  60  60  60  60  60  63  96
  81  89  79  60  64  60  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  60  62  60  60  60  60  60  60  60  60  60  60
  60  60  60  60  68  61  60  60  60  66  60  60  60  87  95  85
  96  85  98  81  80  95  86  63  85  60  80  83  77  67  66  66
  70  71  77  71  69  76  72  70  67  60  77  75  78  67  77  82
%EOF


ENTER LOG DATE (DD/MM/YR) : 28/08/79
ENTER SITE CODE (5 CHARS) : 1SHAF

ENTER USER CODE (4 CHARS) : 7537
 ENTER JOB CODE (3 CHARS) : 252


   DATA LOGGED :28  AUG 1979
        LOGGER : DB-301/26
SERIAL NUMBER : 1213
     BASELINE : 60 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE :  4/SEC
TEST DURATION =   8: 0: 0

DATA ANALYZED : 26 SEPT 1979
     SITE CODE : 1SHAF
      JOB CODE : 252
     USER CODE : 7537
     THRESHOLD :  80 DB
TOTAL SAMPLES =  115200
 STANDBY TIME =   0: 0:23

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING:
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 480
PERIOD =  1 MINUTES

TIME          LOSHA                          XDOSE
HOUR    CURRENT  CUMULATIVE        CURRENT  CUMULATIVE
   1      67.9      67.9            .582       .58
   2      73.8      71.4           1.316      1.90
   3      86.9      80.5           8.111     10.01
   4      91.1      84.9          14.500     24.51
   5      85.0      84.9           6.227     30.74
   6      82.3      84.5           4.310     35.05
   7      89.6      85.5          11.866     46.91
   8      80.4      85.0           3.288     50.20
MIN. COMP. =  60 DB                MAX. COMP. = 104 DB
ARITHMETIC MEAN =  70 DB
STD. DEVIATION =  13 DB
VARIANCE =169 DB
```

AMPLITUDE DISTRIBUTION

(65)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
239	49.8	60 TO 64
51	10.6	65 TO 69
46	9.6	70 TO 74
30	6.3	75 TO 79
23	4.8	80 TO 84
26	5.4	85 TO 89
16	3.3	90 TO 94
29	6.0	95 TO 99
20	4.2	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119
TOTAL NO. OF DATA POINTS = 480		




65
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
65

66 66

PLACE TAPE IN READER THEN TYPE A "SPACE" AND A "RETURN"

1 26 30 1217 60 64 4 1
21483 109811 457

66	77	68	77	69	65	75	76	73	60	60	60	70	60	60	75
60	66	61	62	62	61	60	60	66	70	62	60	60	60	61	60
72	62	60	60	60	60	60	72	60	60	60	72	72	77	69	63
73	65	60	65	65	65	73	75	69	60	77	77	72	67	67	65
66	60	65	66	60	60	60	60	60	60	60	60	65	60	60	60
60	60	60	60	67	60	71	60	63	64	63	64	62	60	76	62
62	63	60	60	61	60	60	61	60	60	60	62	60	60	64	77
75	79	91	70	68	78	63	70	67	62	70	66	65	69	69	71
61	66	73	60	64	71	60	66	72	60	60	72	61	70	65	60
69	66	61	71	64	61	72	66	60	71	66	60	71	69	60	71
65	60	79	66	62	72	60	63	73	60	64	72	60	71	75	67
70	60	65	72	61	64	70	66	71	72	60	61	72	73	61	61
74	71	70	60	72	60	66	71	60	68	72	60	69	73	60	72
65	78	79	81	79	76	60	81	77	71	67	72	77	72	69	71
67	60	77	79	74	72	60	67	72	64	68	77	69	65	72	60
68	71	66	69	71	60	74	78	60	68	89	93	92	95	94	91
88	88	88	88	89	87	86	88	85	86	86	83	83	84	82	82
82	85	83	82	82	83	86	85	81	82	83	82	82	82	82	82
81	81	85	84	82	82	82	82	84	84	84	82	82	82	82	83
87	86	89	85	87	87	86	87	83	83	82	92	82	83	82	86
84	82	81	82	83	82	81	83	84	83	82	81	82	82	81	82
82	83	82	82	84	84	85	82	82	83	83	83	82	82	81	82
82	82	83	82	83	83	84	83	83	85	88	89	89	83	82	83
82	81	86	91	85	81	83	82	83	82	82	83	83	82	82	86
82	82	82	83	82	82	82	81	82	82	83	82	86	84	83	82
85	87	82	93	86	86	85	84	79	83	85	87	87	84	86	80
80	79	80	80	81	88	85	80	80	80	81	77	81	81	80	87
85	84	82	80	80	88	89	80	80	81	85	84	81	80	80	87
87	87	87	87	87	86	86	86	87	60	60	60	60	60	60	60
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60

%EOF

ENTER LOG DATE (DD/MM/YR) : 04/07/79
ENTER SITE CODE (5 CHARS) : SKIP2
ENTER USER CODE (4 CHARS) : 2505
ENTER JOB CODE (3 CHARS) : 101

C

DATA LOGGED : 6 JULY 1979
LOGGER : SL-301/26
SERIAL NUMBER : 1217
BASELINE : 50 DB
DYNAMIC RANGE : 64 DB
SAMPLING RATE : 4/SEC
TEST DURATION = 7:37:32

DATA ANALYZED : 29 AUG 1979
SITE CODE : SKIP2
JOB CODE : 101
USER CODE : 2505
THRESHOLD : 60 DB
TOTAL SAMPLES = 109811
STANDBY TIME = 102:30

TIME HISTORY ANALYSIS

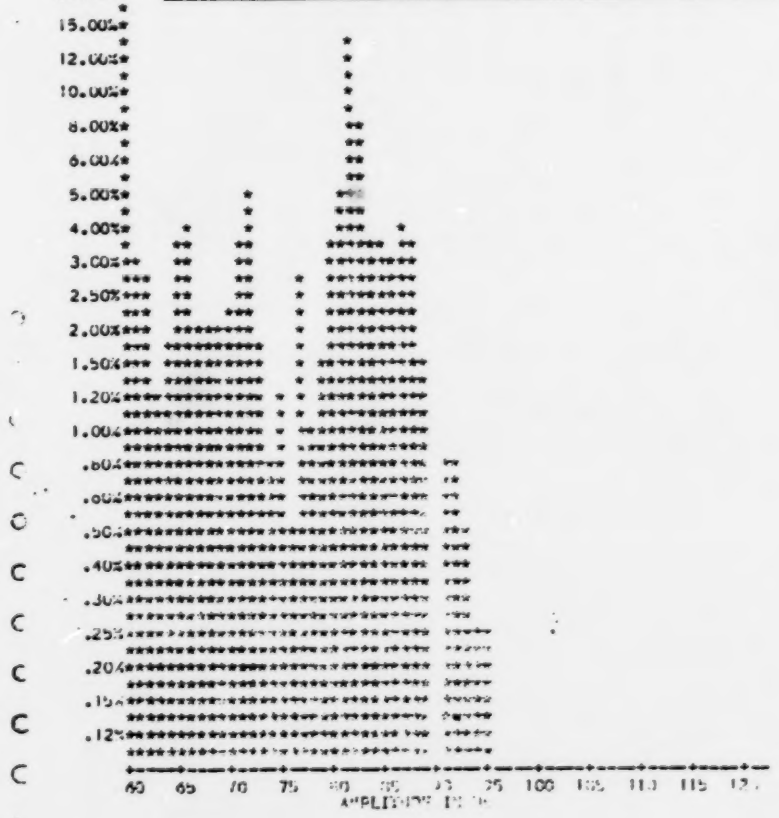
NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CUTOFF) LEVEL = 60 DB
NUMBER OF COMPUTATIONS = 457
PERIOD = 1 HOURS

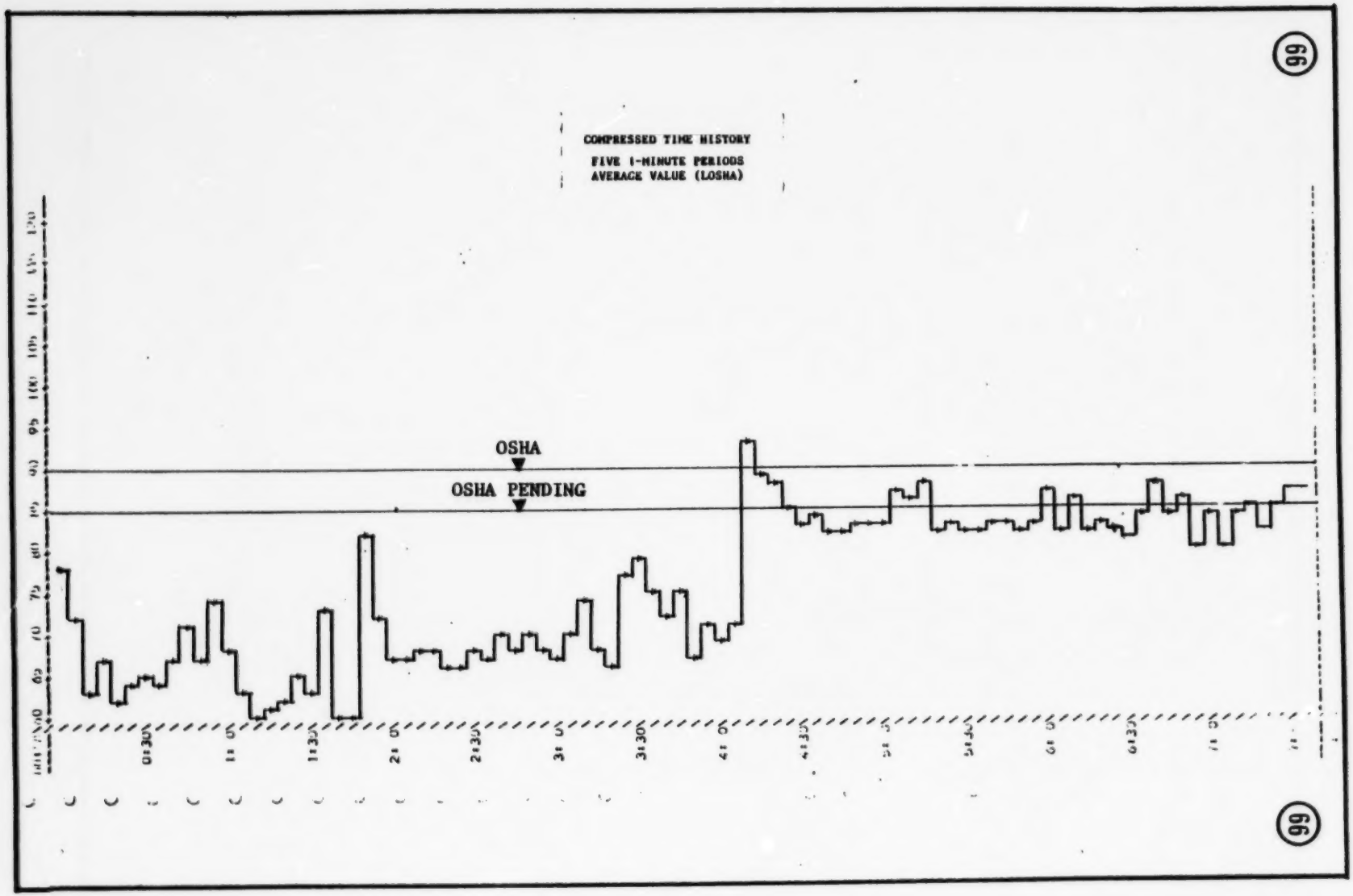
SITE	LEQ(A)		SOUND	
HOUR	CUMULAT	CUMULATIVE	CUMULAT	CUMULATIVE
1	69.7	69.7	.75	.75
2	69.7	69.7	.75	1.51
3	67.5	69.1	.57	2.08
4	73.0	70.3	1.1	3.26
5	64.9	70.4	.43	3.69
6	64.1	70.4	.38	4.07
7	66.2	70.5	.62	4.69
8	70.2	70.7	1.41	6.11

MIN. COMP. = 60 DB MAX. COMP. = 89 DB
ARITHMETIC MEAN = 74 DB
STD. DEVIATION = 10 DB
VARIANCE = 120 DB

(66) (66)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
132	27.5	60 TO 64
54	11.3	65 TO 69
56	11.7	70 TO 74
26	5.4	75 TO 79
140	29.2	80 TO 84
62	12.9	85 TO 89
9	1.9	90 TO 94
1	0.2	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119
TOTAL NO. OF DATA POINTS = 480		




99
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
OSHA
OSHA PENDING
99

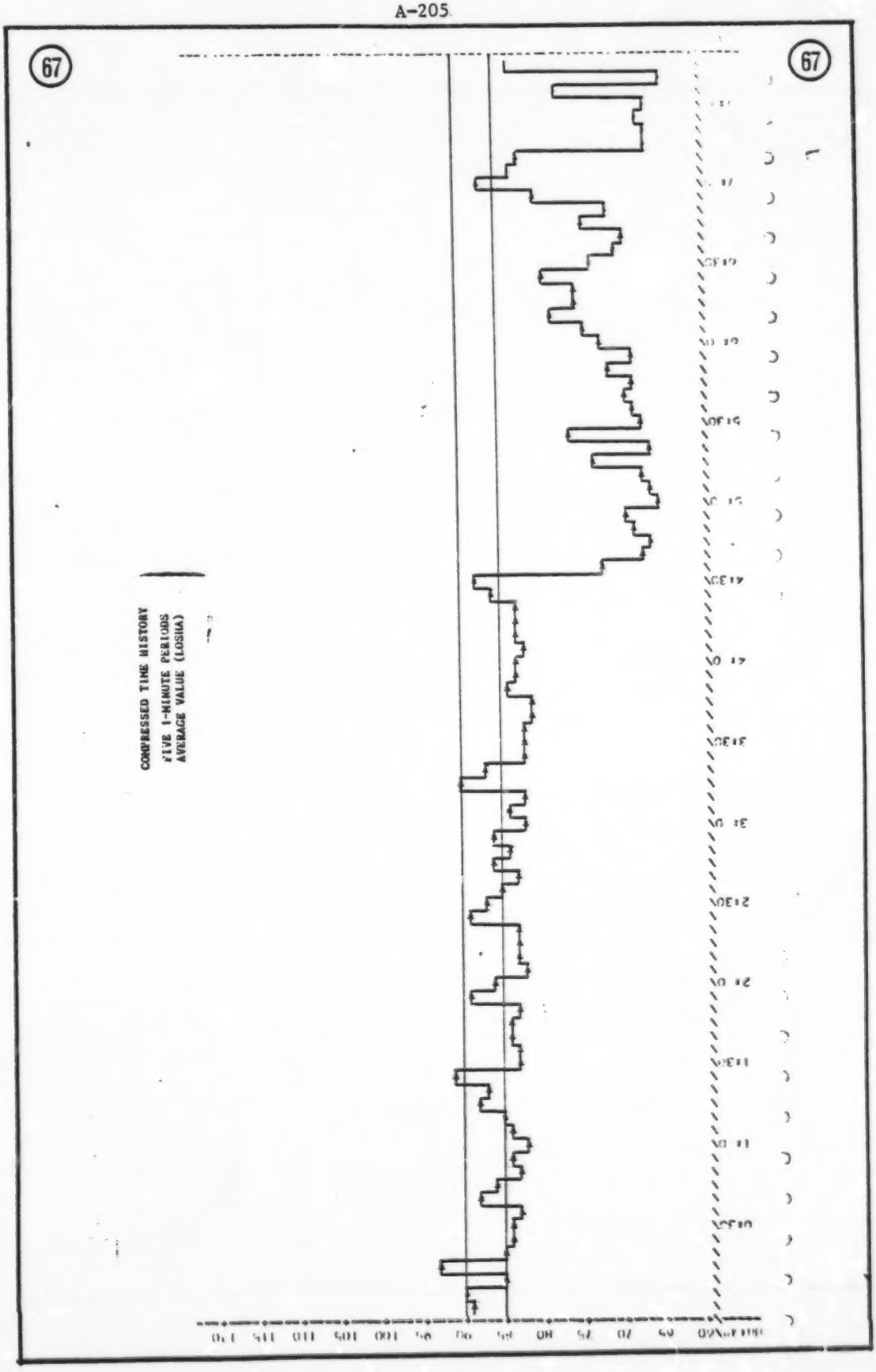
(67)

```
C   PLACE TAPE IN READER THEN TYPE A "SPACE" AND A "RETURN"
      1   26   80   1225     60     64      4      1
        25019      112873   470
C     89  88  91  96  85  90  95  91  87  83  85  83  83  83  80  84
      96  94  84  85  84  84  83  85  89  85  83  85  84  83  84  84
      84  83  83  84  83  83  83  83  82  82  84  92  93  91  87  83
C     83  84  83  83  82  84  84  84  84  83  85  83  82  87  81  81
      84  82  85  85  86  83  83  83  81  83  89  90  88  85  87  90
      91  83  83  84  89  92  93  94  84  83  84  83  83  84  83  83
C     83  83  83  85  85  84  83  83  83  83  83  83  84  85  83  83
      83  83  83  83  86  87  92  93  87  87  84  86  86  82  83  82
      82  82  82  85  83  83  83  83  83  82  82  83  84  83  84  83
C     82  85  83  84  92  93  89  90  84  82  82  86  86  86  82  83
      84  82  83  82  82  82  86  86  87  86  84  86  86  81  85  86
      86  86  83  82  82  81  81  81  84  83  82  84  85  84  82  81
C     82  82  82  82  91  91  92  90  86  83  90  90  83  82  82  82
      82  82  83  82  82  83  82  81  82  82  82  81  80  81  81  81
      80  81  81  82  82  81  83  85  84  83  86  84  83  83  82  82
C     84  82  82  83  82  82  82  82  82  84  87  83  82  82  82  85
      84  82  81  84  84  81  84  86  81  85  87  86  86  86  85  86
      93  90  84  79  74  67  64  60  64  72  80  80  71  80  81  73
C     80  86  89  86  81  88  72  81  70  88  71  70  86  81  89  87
      80  70  82  80  70  80  80  89  87  80  71  74  81  76  78  81
      70  80  81  71  80  72  77  78  77  72  82  70  70  81  87  71
C     82  89  71  82  89  75  81  71  80  81  74  80  82  70  80  81
      81  83  83  73  81  84  70  84  85  74  86  84  78  89  74  76
      74  73  80  75  74  82  76  74  79  74  72  74  79  75  76  81
C     75  81  74  80  78  80  77  76  86  76  81  87  71  82  82  76
      88  82  75  71  83  71  81  85  71  71  89  74  89  72  72  85
      75  83  72  75  77  76  83  90  93  90  80  77  78  80  81  85
C     82  81  77  82  88  71  84  83  70  80  71  80  81  71  90  81
      71  80  81  71  80  82  70  80  85  86  76  70  80  80  80  88
      86  79  82  83  81  86  80  80  80  80  80  80  80  80  80  80
    %EOF


    ENTER LOG DATE (MO/DY/YR) : 06/07/79
    ENTER SITE CODE (5 CHARS) : SR20I
    ENTER USER CODE (4 CHARS) : 0536
     ENTER JOB CODE (3 CHARS) : 100

C
C     DATA LOGGED : 6 JULY 1979              DATA ANALYZED : 11 SEPT 1979
C          LOGGER : DS-301/26                     SITE CODE : SR20I
C   SERIAL NUMBER : 1225                          JOB CODE : 100
C        BASELINE : 60 DB                       USER CODE : 0536
C   DYNAMIC RANGE : 64 DB                       THRESHOLD : 80 DB
C   SAMPLING RATE : 470/SEC                TOTAL SAMPLES = 112873
C   TEST DURATION =  239.814                 STARTBY TIME = 1444114

C              TIME HISTORY ANALYSIS

C     NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
C     ARE BASED ON THE FOLLOWING
      100% NOISE = 90 DB / 8 HRS
C     EXCHANGE (DOUBLING) RATE = 5 DB
C     THRESHOLD (CUTOFF) LEVEL = 80 DB
        NUMBER OF COMPUTATIONS = 470
C     PERIOD = 1 MINUTES

C     TIME          LOGIC                    NOISE
C     NUMB    CURRENT  CUMULATIVE      CURRENT  CUMULATIVE
        1       87.0       87.0         5.264       5.26
C       2       85.8       86.4         3.890      19.53
        3       84.9       85.9         3.147      21.42
        4       83.8       85.5         2.724      24.14
C       5       81.2       84.8         2.109      39.45
        6       79.4       83.7          .714      31.17
        7       74.9       82.9         1.944      33.12
C       8       78.5       82.5         2.119      34.04
      AVG. CORR. =  80 DB                MAX. CORR. =  98 DB
      MINIMUM CORR. =  77 DB
      DOSE EQUIVALENCE =  9 %
      VARIANCE = 81 %
```

(67)

(67) (67)

FREQUENCY DISTRIBUTION		
FREQUENCY		GROUP
NUMBER	PER CENT	
73	15.2	60 TO 64
28	5.8	65 TO 69
52	10.8	70 TO 74
31	6.5	75 TO 79
201	41.9	80 TO 84
62	12.9	85 TO 89
30	6.3	90 TO 94
3	0.6	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119
TOTAL NO. OF DATA POINTS = 480		


67
67
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)

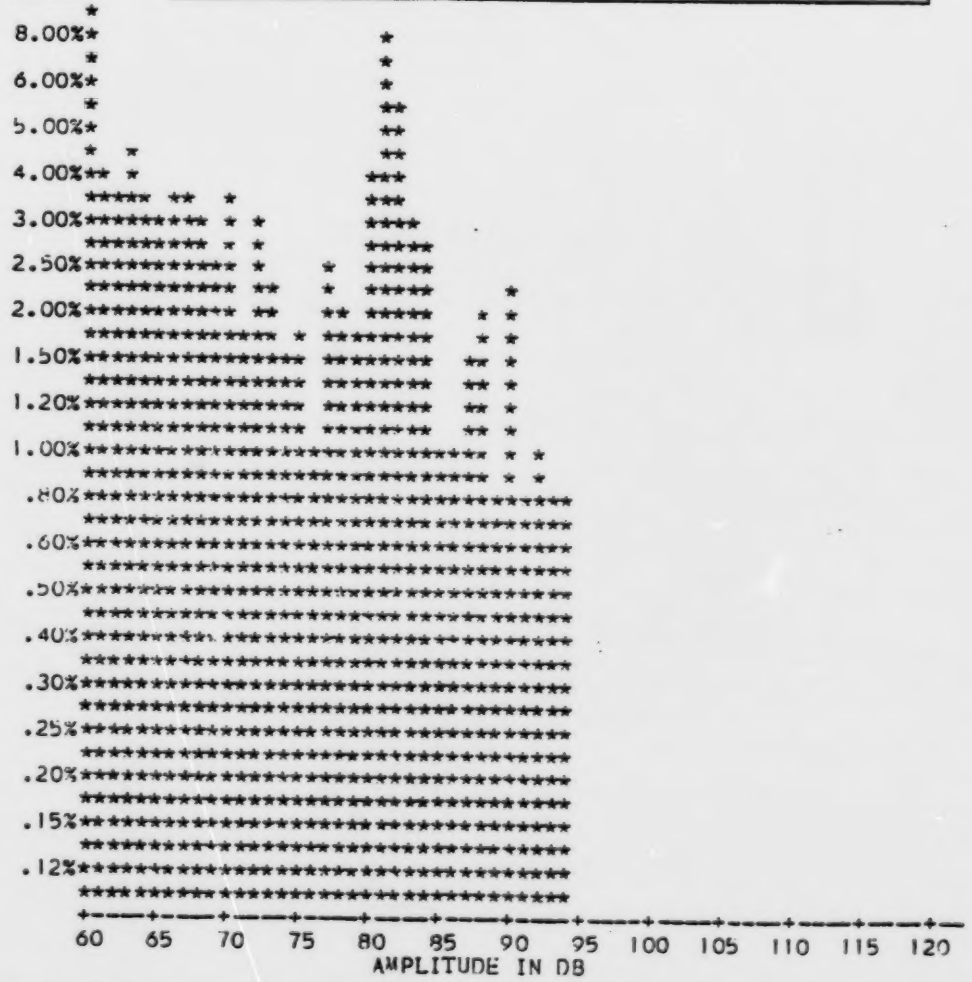
```
(68)  1  26  80  1225    60    64     4     1                    (68)
        978      115200   480
   61  61  60  60  60  64  60  61  65  65  61  63  60  63  79  78
   77  75  84  94  91  88  86  86  84  82  84  83  83  81  82  83
   81  80  81  81  87  90  91  90  81  79  78  85  84  84  84  81
   84  81  78  87  80  82  80  81  85  82  82  81  82  83  80  82
   82  80  82  80  80  82  82  83  94  93  92  80  80  80  80  80
   82  82  79  78  77  75  80  79  69  68  73  77  73  76  83  83
   77  81  83  85  64  73  70  67  62  64  63  73  85  88  94  93
   90  83  81  82  82  80  80  82  81  82  81  81  82  84  81  81
   81  83  82  82  82  81  81  81  81  81  81  81  72  60  60  62
   72  84  61  72  62  68  60  60  60  60  60  74  65  66  62  60
   60  60  60  72  62  65  60  60  70  62  66  73  78  90  92  92
   83  67  74  65  77  64  60  61  60  69  66  69  80  70  74  74
   73  63  71  72  66  60  62  60  87  86  83  83  84  67  70  75
   91  87  88  88  87  88  79  62  62  63  87  61  61  60  60  60
   60  60  60  60  60  75  90  77  67  71  75  77  73  78  78  76
   78  74  84  89  82  84  90  90  86  81  81  80  71  65  75  70
   65  64  79  81  81  81  81  81  82  81  77  88  90  89  90  89
   72  72  63  71  67  67  70  60  60  60  60  60  60  60  60  62
   64  60  60  64  67  63  66  70  71  67  72  66  60  71  75  66
   60  60  60  68  63  66  61  60  77  60  60  60  60  60  60  60
   60  60  60  65  72  70  68  61  66  60  70  62  64  60  60  60
   60  68  65  69  60  63  60  83  88  92  93  77  66  65  72  72
   69  70  60  64  69  64  60  60  60  72  65  66  67  66  69  70
   68  72  67  64  60  60  60  60  60  60  60  66  61  62  67  68
   63  60  60  60  60  60  67  63  61  66  61  64  60  60  60  60
   60  60  68  61  62  60  60  62  64  67  60  60  60  63  61  60
   60  60  60  60  73  63  63  60  66  60  63  67  81  88  79  68
   65  73  68  69  62  76  60  69  65  74  60  68  70  60  76  69
   70  60  60  71  70  60  60  60  60  60  61  68  60  60  60  60
   60  60  60  60  60  60  60  60  60  60  60  60  60  60  60  60
%EOF


ENTER LOG DATE (DD/MM/YR) : 27/08/79
ENTER SITE CODE (5 CHARS) : ISHAO
ENTER USER CODE (4 CHARS) : 4304
 ENTER JOB CODE (3 CHARS) : 100


   DATA LOGGED :27  AUG 1979          DATA ANALYZED : 26 SEPT 1979
       LOGGER : DB-301/26                 SITE CODE : ISHAO
SERIAL NUMBER : 1225                       JOB CODE : 100
     BASELINE : 60 DB                    USER CODE : 4304
DYNAMIC RANGE : 64 DB                    THRESHOLD : 80 DB
SAMPLING RATE :  4/SEC                 TOTAL SAMPLES =  115200
 TEST DURATION =  8: 0: 0              STUDY TIME    =  0: 48: 4

          TIME HISTORY ANALYSIS

NOISE EXPOSURE INDEX (N.E.I.) CALCULATIONS
ARE BASED ON THE FOLLOWING
100% DOSE = 90 DB / 8 HRS
EXCHANGE (DOUBLING) RATE = 5 DB
THRESHOLD (CRITERION) LEVEL = 80 DB
  NUMBER OF COMPUTATIONS = 490
PERIOD =  1 MINUTES

TIME          LOGMA                          SONE
HOUR    CURRENT  CUMULATIVE          CURRENT  CUMULATIVE
   1      82.4      82.4              4.378      4.38
   2      82.6      82.5              4.464      8.84
   3      78.2      81.3              2.481     11.32
   4      76.3      80.1              2.449     13.75
   5      79.5      80.5              2.934     16.69
   6      73.5      79.1              1.261     17.95
   7      63.7      78.7               .325     18.27
   8      68.9      78.0               .369     18.64
MIN. COMP. =  60 DB                MAX. COMP. =  94 DB
ARITHMETIC MEAN =  70 DB
STD. DEVIATION =  10 DB
VARIANCE =100 DB
```

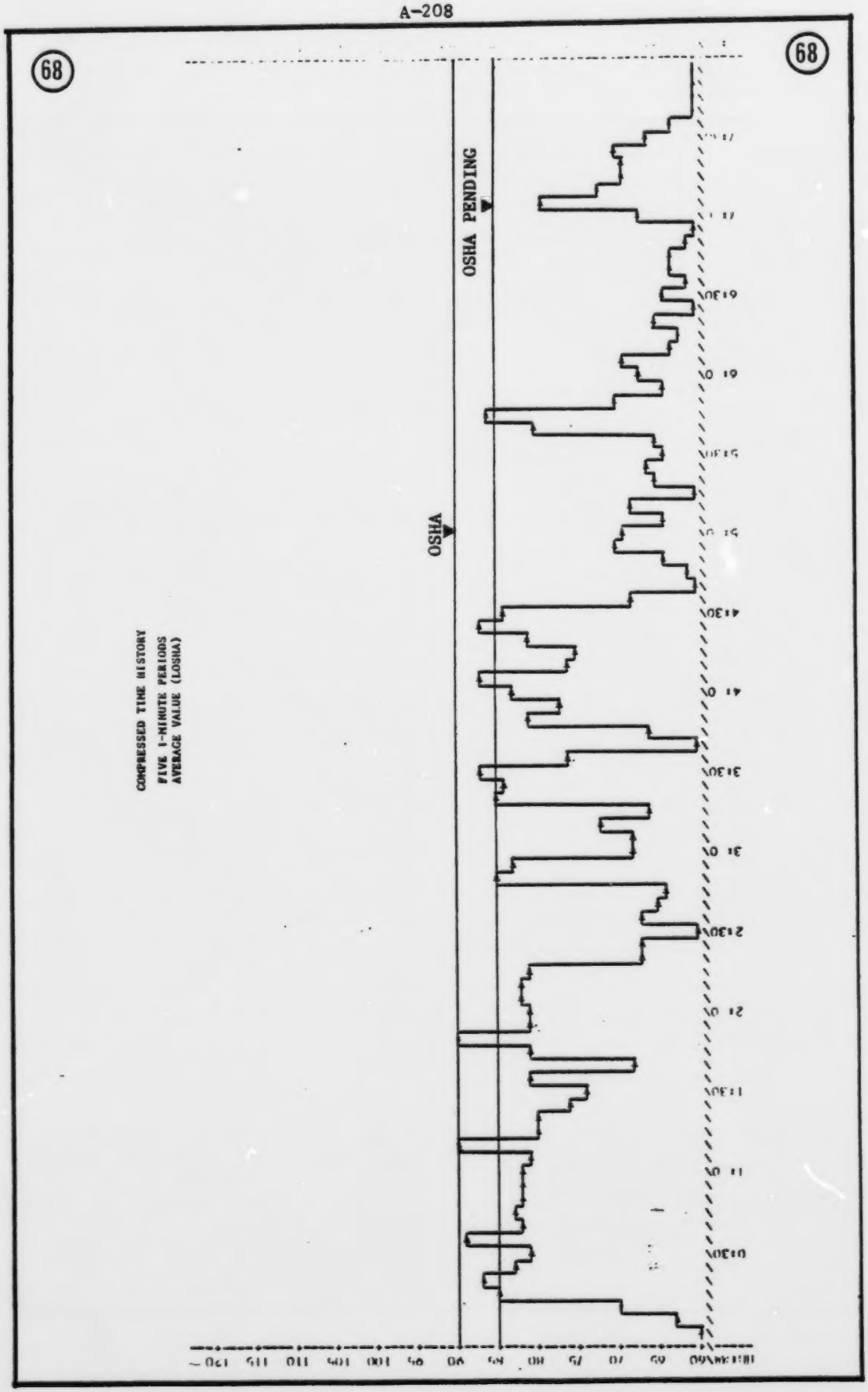
AMPLITUDE DISTRIBUTION

FREQUENCY DISTRIBUTION

FREQUENCY		GROUP
NUMBER	PER CENT	
189	39.4	60 TO 64
64	13.3	65 TO 69
49	10.2	70 TO 74
36	7.5	75 TO 79
95	19.8	80 TO 84
25	5.2	85 TO 89
22	4.6	90 TO 94
0	0.0	95 TO 99
0	0.0	100 TO 104
0	0.0	105 TO 109
0	0.0	110 TO 114
0	0.0	115 TO 119

TOTAL NO. OF DATA POINTS = 480




68
68
OSHA PENDING
OSHA
COMPRESSED TIME HISTORY
FIVE 1-MINUTE PERIODS
AVERAGE VALUE (LOSHA)
0:30
1:00
1:30
2:00
2:30
3:00
3:30
4:00
4:30
5:00
5:30
6:00
6:30
7:00
60
65
70
75
80
85
90
95
100
105
110
115
120